APPENDICES

APPENDIX A.—SCHEDULE
APPENDIX B.—INSTRUCTIONS TO SPECIAL AGENTS

APPENDIX A.

SCHEDULE.

CENSUS OF ELECTRIC RAILWAYS, 1907,

(All electric roads and all street railroads, irrespective of kind of motive power, should be reported on this schedule. Separate supplementary reports should be made for nonoperating lessor companies, showing answers to inquiries 1 to 4, inclusive, 7, 18, 20, 21, and 22.)	3. If a reorganized company, give name of 4. If a subsidiary or leased company, give or lessee	e name an	d address o	of operating	g company
Name of company	5. Is electric current generated for sale	for light of	r power?	If	so, is there
State City	a separate power plant or line co- light and power plant included in	nstruction	on to some	Are data	ior electric
General office (give state, city, street, and number)	same?	mis report	, or is sepa	irate repor	t made for
	6. Give name of city or cities in which the name the towns, counties, and state	ie road is c	perated, a	nd if in rur	al districts
TY CONTRACT TO CO. The contract of 1000	7. TRACK: Length in single-track mile	adtte	atals rapor	tad for the	a first and
Washington, D. C., December 31, 1907. The act of Congress of June 7, 1906, directs the Director of the Census to take a census of street railways every five years, and this schedule has been formulated for that purpose.	7. TRACK: Length in single-track mile second sections—"Classification by fication by kind of system"—should	character agree.	and owne	ership" an	d "Classi-
The information returned on this schedule should cover the business year of the company most nearly conforming to the year ending December 31, 1907. All questions that require a fixed time, such as mileage of track, cash on hand, etc., should be of the date of the last day of the year covered by the report.	CLASSIFICATION BY CHARACTER AND OWNERSHIP.	Owned.	Leased.	Operated under trackage rights.	Total oper- ated.*
The answers to inquiries in regard to financial matters, other than capitalization, will be held absolutely confidential; the separate reports will be combined so as to show totals for all companies in the different states. The information will be used	Length of road (first main track) Length of second main track				
only for the statistical purposes for which it is given.					
The canvass is to be made under the supervision of Mr. W. M. Steuart, Chief Statistician for Manufactures.	TOTAL LENGTH OF MAIN TRACK Length of sidings and turnouts, includ-				
S. N. D. North, Director of the Census.	ing car barns, storage yards, etc				
Director of the Census.	TOTAL COMPUTED AS SINGLE TRACK				
	TOTAL COM CIND AS SINGHE HAGE			*******	•••••
Extract from act of Congress, March 3, 1899: SEC. 22. * * * "And every president, treasurer, secretary, director, agent, or other officer of every corporation, and every establishment of productive industry, whether conducted as a corporate body, limited liability company, or by private individuals, from which answers to any of the schedules, inquiries, or statistical interrogatories provided for by this act are herein required, who shall, if thereto requested by the Director, supervisor, enumerator, or special agent, willfully neglect or refuse to give true and complete answers to any inquiries authorized by this act, or shall willfully give false information, shall be guilty of a misdemeanor, and upon conviction thereof shall be fined not exceeding ten thousand dollars, to which may be added imprisonment for a period not exceeding one year."	CLASSIFICATION BY KIND OF SYSTEM,	Subway and tunnels.	Elevated.	Surface.	Total oper- ated.*
interrogatories provided for by this act are herein required, who shall, if thereto requested by the Director, supervisor, enumerator, or special agent, willfully neglect or refuse to give true and complete answers to any inquiries authorized by this act, or shall willfully give false information, shall be guilty of a misdemeanor, and upon	Operated by: Overhead trolley		*******	******	
conviction thereof shall be fined not exceeding ten thousand dollars, to which may	Conduit trolley				
	Third rail				
CERTIFICATE.	Cable				
This is to certify that the information contained in this schedule is complete	Steam		 		1
and correct to the best of my knowledge and belief, and it covers the period from	Animal				
100 (a.to.)	Other (state kind)				
(Signature and official designation of the person furnishing the information)	TOTAL				
(Signature and official designation of the person furnishing the information.)	TOTAL	• • • • • • • • • • • • • • • • • • • •	•••••	• • • • • • • • • • • • • • • • • • • •	
(Address of person furnishing the information.)	If track extends into more than one str in each state. (The total operated as repo	ite, give the	e number should be	of single-tre segregated	nck miles * by states.)
(Signature of Special Agent.)	* Length to be stated in miles and do	eimals of	a mile carri	led to two p	places.
Each question should be answered; if not applicable use word "None."	Account to the second s				Length in
Inquiries 1 to 23, inclusive, relate to Electric or Street Railways; inquiries 24 to 26, inclusive, to Electric Light and Power Plants operated by railway companies. Separate reports should be prepared for electric					ingle-track miles.*
light and power plants on Form B 2—231. If it is not possible to make complete separate reports, one combined report may be made on this schedule for railways and light and power plants, showing number of lamps, itemized income, etc., of the light and power plants, as called for by finquiries 24 to 26, inclusive.	Total track operated on private right of panies.				
	companies (do not include track on s	f way <i>not</i> treets or t	owned by horoughfar	railway	
 If a consolidated company, give names of constituent companies for which complete report is included in this return, or write same on last page If a controlling company, give names of subsidiary or leased companies for which 	Total track operated within city or munic town, or village not rural in character)	cipal limits	(include a	ny elty,	
operating report is included in this return, or write same on last page. (If operating company can not furnish the supplementary report of financial	Constructed and opened for operation de report	uring the y	ear covered	l by this	
data for nonoperating lessor companies (see instructions on title page), please give name and address from whom obtainable.)	Weight of steel rails per yard, maximum Style of rail (girder, T, half groove, full g	(abringa)	mir	imum (no	

				WARRANCE LEVEL PROCE						
	LE	NGTH OF I	ine, Mile	8.*	12. ACCIDENTS: The character	er or degre	e of inju	ry should	NU	MBER.
8. OVERHEAD ELECTRIC-LINE CONSTRUCTION.	Total.	Span wire,	Bide bracket,	Center pole.	12. ACCIDENTS: The character not be considered in answ dents of which the compreported.	pany has			Killed.	Injured
Overhead trolley]	Passengers					
Miles of line with steel, Iron, or concrete	poles *			********	Employees				-	
Miles of line with wooden poles *					Other persons					
Number of poles to the mile					TOTAL				1	
9. CARS: Account for all cars operated, not count a car more than once. Cars," must be devoted solely to on			the state of the s		13. POWER-PLANT EQUIP	MENT.		en pagementarios en pro-lamba		
•		Total number.	Motor cars, numbor,	Trailers, number.	GENERATING POWER PLANT.	500 H. P. or under.	Over 500 H. P. and under 1,000 H.P.	1,000 H. P and undo 2,000 H.P	2,000 II. I and unde 5,000 II.I	5,000 H. 1 and ove
Closed passenger cars					Steam engines, number Total capacity in horse-			1	1	1
Open passenger cars					power				.	
Combination cars (open and closed)					Steam turbines, number					
Combination cars (passenger, with					Total capacity in horse-					
freight, or mail)					power					
which)			1		Gas engines, number		• • • • • • • • • • • • • • • • • • • •			• • • • • • • • • • • • • • • • • • • •
TOTAL PASSENGER CARS					Total capacity in horse- power					
Express, freight, and mail cars					Water wheels, number					
Work ears					Total capacity in horse-					1
TOTAL CARS					power		,			
Snow plows, number		*****			Auxiliary engines for use within				. The second suppression and	·
Sweepers, number,					Number					• • • • • • • • • •
Locomotives, number (steam or electric	istáte kind])	• • • • • • • • • • •	*******	harmon shallafor red incomplementary management and or promotion of the property of the proper		-	record over the property of the contract of th		
10. EQUIPMENT OF CARS: If cars he equipment they should be reported so that fenders can be put on when be counted as equipped with fender. Figure 2.	ave more t for each, i run out o rs,	han one vi Ifears are e f barn they	ariety of equipped should	Total number,	14. SUBSTATION E.Q. U.1. MENT: Thokdowatt cape ity, voltage, and ampera reported should represent single machine. If more the one machine of the same ele give separate information f each.	ac- go an uss, for	per. Ity ii wai ench ch	tts of e inn.	chine.	Indicated amperage of each me chine.
Equipped: With fenders With hand brakes					Rotary converters, etc					
With air brakes	kind)				Transformers					
With electric heaters						animal and a section of	A TANGETON CONT. ADDRESS OF A	and the many the state of the state of	The self-residence of the control of	
With stoves or other heating system: With one motor, two motors motors	, three	motors	, four		Direct current, number Alternating current, number	, total e	apacity ir	horsepov	ver	
Lighted by electricity										
Lighted by oil, gas, etc	•••••				15. RLECTRICAT, GENERA					
*Length to be stated in miles and (15. ELECTRICAL GENERA' ago reported should repres of the same class, give sepa	sent a sing trate infort	de machination for	no. If me reach,	ore than o	no machin
11. TRAFFIC AND MILEAGE: In condition of dividual car should, as a rule, be conducted as the company. Train mileage should be company.			1	Number.		Num	onel	ts of	adicated oltage of ach ma- chine.	Indicated amperage of each machine,
Fare passengers earried				THE PERSON NAMED OF THE PERSON OF	DYNAMOS, DIRECT CURRENT: 500 K. W. or under					• • • • • • • • • • • • •
Transfer passengers carried		• • • • • • • • • • • • • • • • • • •		*********	Over 500 K. W. and und	ier	1			
Free passengers carried (not including b	ndge passe	ngera)		*********	1,000 K. W		···- ·····			• • • • • • • • • • • • • • • • • • • •
TOTAL PASSENGERS CARRIED		• • • • • • • • • • • • • • • • • • • •		*********	1,000 K. W. and under 2,0 K. W			.,,		
Acceptable from the property of the property o			1		2,000 K. W. and under 5,0	000				
Passenger-car mileage				•••••	K. W				••••••	
Express, freight, mail, and work car miles or electric locomotives					5,000 K. W. and over			•••••	•••••	••••••
TOTAL CAR MILEAGE					DYNAMOS, ALTERNATING CURREN					
TOTAL CAR MILIPAUE					Over 500 K. W. and und	ler		İ		
Passenger-car hours			1		1,000 K. W			•		
Express, freight, mail, and work ear hour	a, includin	g hours of	steam or		1,000 K. W. and under 2,0 K. W					
electric locomotives		• • • • • • • • • • • • • • • • • • • •			2,000 IC. W. and under 5,0				•••••	• • • • • • • • • •
Total car hours		• • • • • • • • • • • • • • • • • • • •		********	K. W					,
					5,000 K, W, and over					

15. ELECTRICAL GENERATO ago reported should represent of the same class, give separate	ORS: The lat a single rate informa	cilowatt capa nachine. If tion for each	city, voltage more than —Continued	, and amp
	Number.	Total capac- ity in kilo- watts of each ma- chine.	Indicated voltage of each ma- chine.	Indicate amperag of each machine
Transformers Storage battery, cells Boosters for outside feeders Auxiliary generators for use with- In plant		••••••		•••••••••
Rotaries				••••••
16. OUTPUT OF STATION: The and amperage of the generate readings of dynamo meters.	ie output sl rs, or obtai	hould be calc ned from the	culated from actual watt	the volta or kilowa
Kilowatt hours, average per day Kilowatt hours, total for year				
17. MISCELLANEOUS STATIS	rics.			Number.
Transfer points Power houses Car houses Lamps used in lighting offices, power and pleasure resorts: Are lamps Incandescent lamps Other varieties (Nernst, vacuur Miles of telephone line in use exclus Miles of subway or tunnels occupied by undefeeders.* (If mains and feeders at ground-trolley construction, notes Steam-railroad crossings protected or depressed tracks, etc.) Steam-railroad crossings unprotected Are mails carried for the Government Does the company own or operate at if so, give number if hired, the annual rental, \$ Estimate of number of visitors annual General description of the resorts, or	n, vapor, edively for op i by tracks erground ever carried in this fact). (by flagmand: (Answay parks or east) write same and decimal	to. [state kind peration of rose (state which onduits for a the conduit on, alarm bell of pleasure res or investment of on last page s of a mile ca	ises, ways, ii)	places.
The following inquiries relationsystem of accounting devised Railway Accountants' Associa	ing to finan by the Am tion.	cial operation erican Stree	ns conform to and Interu	o the rban
the total cost of organization, e track and roadway construction operation of road, buildings ment in real estate, power-pla electric equipment of cars, mi- and miscollaneous.	AND EQU engineering on, electric and fixture nt equipme scellaneous	IPMENT: T and supering line constructs used in op- ent, shop too equipment,	The answer of tendence, rigoriton, real eration of rose and machiniterest and	must show tht of way state used ad, invest nery, cars I discount
Cost during the year				. \$

19. OPEI	ATING EXPENSES.		
MAINTEN	NCE:	1	
Ways	and structures—		
1.	Maintenance of track and roadway		
2.	Maintenance of electric, cable, etc., lines	. 8	
3.	main cenance of buildings and fixtures		
	Total		\$
5.	Maintenance of steam plant.		
6.	Maintenance of electric, cable, etc., plant	•••••	
7.	Maintenance of electric, cable, etc., equipment of		
. 8.	cars		
9.	Miscellaneous shop expenses		
	Тотац	·····	
TRANSPOR	TATION:		• • • • • • • • • • • • • • • • • • • •
	lon of power plant—		
10.	Power-plant wages	1	
11.	Fuel for power		
12.	Water for power		
13,	Lubricants and waste for power plant		
14,	Miscellaneous supplies and expenses of power		
	plant		
15.	Power purchased		
	TOTAL		
Operat	ion of cars—		
16.	Superintendence of transportation		
17.	Wages of conductors		
18.	Wages of motormen		
19.	Wages of other car-service employees		
20.	Wages of car-house employees		
21.	Car-service supplies		
22,	Miscellaneous car-service expenses		
22a	. Hired equipment		
23.	Cleaning and sanding track		
24.	Removal of snow and ice		
GENERAL:	Тотаь	·····	· · · · · · · · · · · · · · · · · · ·
	Salasia at an a tag		
25.	Salaries of general officers		
26.	Salaries of clerks		
27.	Printing and stationery		
28.	Miscellaneous office expenses		
	Stores expenses		
	Stable expenses		
31,	Advertising and attractions		
32.	Miscellaneous general expenses		
	Damages		
34.	Legal expenses in connection with damages		
	Other legal expenses		
28.	Rent of land and buildings.	l'''.	
97	Dant of treater and termine	·····	1
01.	Rent of tracks and terminals		
38.	Insurance		'
	TOTAL		
Wages, sup	plies, and expenses incident to electric service not		
included i	n any of the above items*	ļ	
		1	1
	GRAND TOTAL	1 1	

*For roads that sell current for light or power.

20. INCOME ACCOUNT: Give actual amounts carried on income-account statement of company. This may include income and expenses for the year, and therefore need not agree with a cash statement. It accounts do not show the income from each source enumerated, give a carefully estimated segregation. The total income should be the gross income of the company for the year.

The total income should	no cito grose	THOUSE OF THE	company for end	· yours
	INCO	ми.		
Passengers				
Chartered cars	*****			
Freight				
Mail	****			
Express	****			*****
Sale of electric current for ligh other public-service corporat	t or power,	including sale	of current to	
Interest on bonds and dividen	ds on stock	of other electri	o rallways	
Income from other permanent				
Miscellancous (specify principa				
TOTAL				
	EXPE	nsks.		
Total operating expenses (from	Tnaniry 10	0)	xxxxx	·····
Taxes paid or due for the year	:	100		
Real and personal property	V		8	
Capital stock			*************	
Earnings				
Miscellaneous (specify iten				
			I	
TOTAL		***********	*************	.,
Interest paid or due for the year				
Funded debt				
Real-estate mortgages				
Floating debt				
TOTAL				
Rent of leased lines and termin	nols	******	xxxxxx	*********
Miscellaneous (specify principa	ıl Items)		xxxxxx.	
TOTAL				-
T. OTA 1			XXXXXXI.	
Net income			\$	
Net deficit				
21. BALANCE SHEET.		Negapyteon-trickenskinskinskinskinskerskinskers	i de santa de la compania del compania de la compania del compania de la compania del la compania de a compania del la compania de la compania del la compania del la compania del la comp	
Assets.			Liabilities.	
Kind.	Amount.	1	Ind.	Amount.
Cost of construction, equip-		Capital stock	• • • • • • • • • • • • • • • • • • • •	\$
	\$			
ment, and real estate		i wanaaa acne		
	1 - 1	Real-estate n	ortgages	
Stocks and bonds of other elec-	-	Real-estate n	ortgages ot (loans and	
Stocks and bonds of other elec- tric-railway companies		Real-estate n Floating del	ot (loans and	
Stocks and bonds of other elec- tric-railway companies Other permanent investments		Real-estate n Floating del notes)	ot (loans and	
Stocks and bonds of other elec- tric-railway companies Other permanent investments (specify)		Real-estate n Floating del notes) Reserves	ot (loans and	••••••
Stocks and bonds of other elec- tric-ratiway companies Other permanent investments (specify)		Real-estate n Floating del notes) Reserves Bills and acco	ot (loans and	
Stocks and bonds of other elec- tric-ratiway companies		Real-estate n Floating del notes) Reserves Bills and acco	ot (leans and ounts payable	
Stocks and bonds of other elec- tric-ratiway companies		Real-estate n Floating del notes) Reserves Bills and accommendated Interest due of	ot (loans and ounts payable und accrued	
Stocks and bonds of other elec- tric-rativary companies Other permanent investments (specify). Cash on hand. Bills and accounts receivable. Supplies Sundries (specify principal		Real-estate n Floating del notes) Reserves Bills and acc Interest due o Dividends du	ot (loans and counts payable and accrued teecify principal	
Stocks and bonds of other elec- tric-rativary companies Other permanent investments (apecify). Cash on hand. Bills and accounts receivable. Supplies. Sundries (specify principal items).		Real-estate n Floating del notes) Reserves Bills and acc Interest due of Dividends du Sundries (sp items)	ounts payable und accrued ecolfy principal	
Stocks and bonds of other elec- tric-rativary companies Other permanent investments (apecify). Cash on hand. Bills and accounts receivable. Supplies. Sundries (specify principal		Real-estate n Floating del notes) Reserves Bills and accommodate the telephone del Sundries (sp items) Profit and los	ot (loans and counts payable and accrued teecify principal	

22. CAPITAL STOCK, BONDS, DIVIDENDS, AND INTEREST: If the company is engaged in some other industry, and it is impossible to segregate the capitalization, report the entire capital, and give an estimate of the proportion chargeable to the electric-light and street-railway interests.

	Number of shares	Total par value.	FOR TI	OS DECLARED AND EST PAID OR DUI IE YEAR.
	or bonds.		Rate.	Amount.
AUTHORIZED CAPITAL- IZATION BY CHARTER:				The state of the s
Common stock		\$	xxxx	xxxxxx
		******		xxxxxx
Bonds			xxxx.	xxxxxx
DAPITAL STOCK AND BONDS OUTSTAND-ING:				
Common stock				s
Bonds			.	
The state of the 			III	
Estimated proportion	of above ca	pitalization chargeabl	o to alactric	light and street

	THE RESERVE OF THE PERSON NAMED OF THE PERSON	of the second contract
23. EMPLOYEES, SALARIES, AND WAGES: The salaries and wages reported here should also be included in the amounts reported for the different items under Inquiry 19. "Operating expenses." The average number employed during the year is the number that would be required, at continuous employment, for the twelve mouths. Account for all regular officers and employees whether engaged on maintonance, canvassing, collecting, operation, or otherwise. (Do not include employees engaged exclusively on additions or extensions.)	Average number employed during the year.	Total amount paid in sal aries and wages dur- ing the year
SALARIED EMPLOYEES:		***************************************
Salaried officers of corporation		\$
Other officers (managers, superintendents, etc.)		
Clerks and bookkeepers		
Тотав		
TOTAL		\$
WAGE-EARNERS (do not include salaried employees re- ported above):		
Foremon		L
Inspectors		
Conductors		
Motormen		
Starters		
Switchmen		
Road and track men		
Linemen		
Electricians (include only skilled electricians)		,,,,,,,,,,,
Car and motor repairers		
Engineers		
Dynamo and switchboard men		
Firemen		
Other mechanics		
Hostlers, stablemen, etc		
Watchmen (include building, track, and crossing watchmen)		
All other employees		
	nie am r tananama	
TOTAL		

Questions for railways which operate separate electric-light and power plants: The following questions should be answered if there is a separate power plant or line construction and a complete separate report can not be prepared as provided for by instructions next preceding inquiry.

24. NUMBER OF LAMPS: Account for all lamps wired for service on last day of year covered by report, irrespective of ownership. If actual number is not known give careful estimate. (Do not include lamps used by company to light its own properties, which should be reported under Inquiry 17.)

Arc lamps: Direct current Open Inclosed Alternating current Open Inclosed Open Inclosed Open Inclosed Inclosed Incandescent lamps: Sixteen candlepower. Thirty-two candlepower. All other Total Other varieties (Nernst, vacuum, vapor, etc. [state kind]). 25. METERS AND MOTORS. Number. Stationary motors served (do not include small fan motors). Total capacity in horsepower.	(Marie 1997)				
Direct current	CLASS.	Type of lamp.	Public. (Number.)	or other private	
Direct current	Arc lamns:				
Alternating current		0	1		ı
All other (state kind) Open Inclosed Open Inclosed Open Inclosed Inc				• • • • • • • • • •	
All other (state kind)	Alternating oursest	inclosed			
TOTALOpenInclosed TOTALOpenInclosed Incandescent lamps: Sixteen candlepower. Thirty-two candlepower. All other TOTAL. Other varieties (Nernst, vacuum, vapor, etc. [state kind]). 25. METERS AND MOTORS. Number. Stationary motors served (do not include small fan motors). Total capacity in horsepower. Meters on consumption circuits: Mechanical.	Treeturing chilent	Open			• • • • • • • • • • • • • • • • • • • •
TOTAL	All other fates, 21, 15	Inclosed			
TOTALOpen	An other (state kind)				
TOTALOpen		Inclosed			
Inclosed Incandescent lamps: Sixteen candlepower. Thirty-two candlepower. All other. TOTAL. Other varieties (Nernst, vacuum, vapor, etc. [state kind]). 25. METERS AND MOTORS. Number. Stationary motors served (do not include small fan motors). Total capacity in horsepower. Meters on consumption circuits: Mechanical.	Tomar	1			
Incandescent lamps: Sixteen candlepower. Thirty-two candlepower. All other. TOTAL. Other varieties (Nernst, vacuum, vapor, etc. [state kind]). 25. METERS AND MOTORS. Number. Stationary motors served (do not include small fan motors). Total capacity in horsepower. Meters on consumption circuits: Mechanical.	TOTAL	- 10		••••••	• • • • • • • • • • • • •
Sixteen candlepower. Thirty-two candlepower. All other. TOTAL. Other varieties (Nernst, vacuum, vapor, etc. [state kind]). 25. METERS AND MOTORS. Number. Stationary motors served (do not include small fan motors). Total capacity in horsepower. Meters on consumption circuits: Mechanical.	Towns 1	Inclosed	*****		
All other. TOTAL. Other varieties (Nernst, vacuum, vapor, etc. [state kind]). 25. METERS AND MOTORS. Number. Stationary motors served (do not include small fan motors). Total capacity in horsepower. Meters on consumption circuits: Mechanical.					
All other. TOTAL. Other varieties (Nernst, vacuum, vapor, etc. [state kind]). 25. METERS AND MOTORS. Number. Stationary motors served (do not include small fan motors). Total capacity in horsepower. Meters on consumption circuits: Mechanical.	Bixteen candlepower	•••••		. . <i></i>	
TOTAL Other varieties (Nernst, vacuum, vapor, etc. [state kind]). 25. METERS AND MOTORS. Number. Stationary motors served (do not include small fan motors). Total capacity in horsepower. Meters on consumption circuits: Mechanical.	Thirty-two candlepower			il il	
Other varieties (Nernst, vacuum, vapor, etc. [state kind]). 25. METERS AND MOTORS. Number. Stationary motors served (do not include small fan motors). Total capacity in horsepower. Meters on consumption circuits: Mechanical.	All other				
(state kind)					
25. METERS AND MOTORS. Stationary motors served (do not include small fan motors). Total capacity in horsepower. Meters on consumption circuits: Mechanical.					
Stationary motors served (do not include small fan motors). Total capacity in horsepower. Meters on consumption circuits: Mechanical.					
Total capacity in horsepower	25. METERS AND MOTORS.		Number.		
Mechanical	Stationary motors served (do not	include sma	Il fan motors)	
Mechanical	Maters on consumption circuits	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	
All other (state kind)					
An other (state kind)	All other (state later)	• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • • •	
Hart And Market Control of the Contr	An other (autie kind)				

26. INCOME: The total income reported here should also be included under Inquiry 20, "Income account." If accounts do not show the income from each class of service enumerated, give a carefully estimated segregation. (The estimated value of current supplied municipality or other government free of charge, and the estimated value of current consumed by lamps and motors on the company's own properties should not be included.)

	SOURCE,	Amount.
Lighting:		
Comm	iercial or other private—	-
A	re lamps	8
	candescent lamps	
Ot	ther lamps.	
Public	s, furnished municipality or other government for buildings d streets—	***********
Aı	re lamps	
	candescent lamps	
	ther lamps	
	rice, stationary (not including small fan motors)	
	ilway service (exclusive of company's own cars)	
Electric he	eating, cooking, welding, etc	
Sale of cur	rent to other electric companies	
Charging a	automobiles	
All other e	lectric service (specify items)	***********
Gross inco	me from sale of supplies and fixtures	**********
Income fro	m all other sources (specify items)	************
Tora	XL	*********

The following inquiries comprise a part of the annual investigation of consumption of forest products: It is desired to ascertain the number of poles and ties purchased during the entire year. The number reported here need not necessarily agree with the cost reported in Inquiry 19, "Operating expenses," which relates to the poles and ties used during the year.

27. POLES PURCHASED DURING 1907.

	CE	CEDAR.		CHESTNUT. JUNIPER. OTHER 8				JUNIPER.		species. cify.)
LENGTH, FEET.	Num- ber.	Average cost per pole at point of purchase.	Num- ber.	Average cost per pole at point of purchase.	Num- ber.	Average cost per pole at point of purchase,	Num- ber.	Average cost por pole at point of purchase.		
Under 20										
20 and over but under 25						••••••	*******			
25 and over but under 30							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
30 and over but						,				
under 35 35 and over but		l.	ľ					• • • • • • • • • • • • • • • • • • • •		
under 40 40 and over but		••••		•••••	••••			••••••		
under 45 45 and over but								•		
under 50 50 and over but					•••••		· · · · · · · · · · · · · · · · · · ·			
under 55 55 and over but				į į				• • • • • • • • • • • • • • • • • • • •		
under 60 60 and over										
OO WILL OVEL					•••••					
How many treated	d poles	were pur	chased	during 1	907?			• • • • • • • •		
What preserve How many poles what preserve	vere tre	ated dur	ing 1907	?						

28. CROSS-TIES PURCHASED DURING 1907.

		D CROSS- IES.	SAWED CROSS- TIES.	
KIND OF WOOD,	Num- ber.	Average cost per tie at point of purchase.	Num- ber.	Average cost per tie at point of purchas
Oaks				
Southern pines	***			
Cedar				
Douglas fir				
Chestnut				
Cypress				
Western pine			•••••	
l'amarack				
Hemlock				1
Redwood				
Lodgepole pine				
white pine		1 .		ļ.
All other				
Total				

How many treated ties were purchased during 1907?...
What preservative was used?....

How many ties were treated during 1907?....
What preservative was used?....

APPENDIX B.

INSTRUCTIONS TO SPECIAL AGENTS.

The schedule is prepared primarily for railways operated by electricity, as the greater number of street railways, including the most important, have adopted this form of motive power. All classes of street railways, whether operated in whole or in part by cable, animal, steam, or other motive power, and also interurban railways, must be reported on it. The data in regard to track, overhead electric-line construction, cars, equipment of cars, traffic and mileage, accidents, power-plant equipment, substation equipment, electrical generators, output of station, miscellaneous statistics, and capitalization, will probably be published for each individual company or system. The agent should be particular, therefore, to see that the name and location of the company and these data are exact and correct in every detail.

Reports to state offices.—In a number of states the electric railways make reports to state railroad commissioners or other state officials. In all cases where such reports are of assistance in the preparation of the census schedule, copies of them have been secured and will be given the different agents.

Combined reports for two or more systems.—In a number of instances independent street-railway companies have recently been combined under one ownership. In such cases one report may be made for the operations of the entire system, provided the roads which were formerly operated as independent lines are located in the same city or immediate vicinity, but if the system of accounting will permit of the preparation of separate schedules, a separate report should be secured for each of the constituent companies. In preparing separate reports for subsidiary companies the name and address of the controlling company must be given in answer to inquiry 4. (See also instructions for "separate supplementary reports for nonoperating lessor or leased roads," p. 558.)

Gombined reports for railways and light and power plants.—A number of street-railway companies generate electricity for sale to other roads, or for light, power, or other purposes. In such cases either a combined report or separate reports should be prepared, as provided for by the instructions in the schedule. Separate reports should not be secured unless they can be made complete, with no cross references. If this can not be done, a combined report should be prepared on the railway schedule.

Of the first 6 inquiries special attention is called to inquiry 5. The answer to this inquiry must show how the two industries, when carried on by the same company, have been reported.

INQUIRY 7.—TRACK.

The track reported in answer to all three sections of this inquiry must be given in single-track miles and decimals of a mile carried to two places. The total miles reported for answer to the first and second sections of the inquiry should agree, and each must cover the total track. "Single track" means one set of rails in any thoroughfare. "Second track" means another pair of rails running alongside the first, so that cars can pass each other in opposite directions. Even in some of the largest cities there will be but one track in one street, the return route running parallel on another street near by. It is desired to secure these details itemized, so that when the second track, and the length of sidings and turn-outs, is

added to the first-main track there will appear the total mileage of track owned and operated by each road. At the same time the return will then exhibit the extent to which single tracks and double tracks occupy the streets.

Be careful not to report as "operated under trackage rights" any portion of the track operated under a lease and included in the column "Leased." The ownership (name and address of company) of leased track should be noted on the margin of the schedule.

The statistics for miles of track must be shown by states; therefore when a company operates in more than one state the entire length of the road, including leased lines, must be segregated so as to show the number of single-track miles in each state.

The third section of the inquiry covers only a portion of the track, as indicated by the following questions and instructions:

Total track operated on private right of way owned by railway companies.—Give the length in single-track miles of all tracks laid on ground owned by railway companies.

Total track operated on private right of way, not owned by railway companies.—Give length in single-track miles of all tracks laid on ground owned by individuals, firms, or corporations, other than railway companies. This must not include tracks laid on streets or public thoroughfares.

Total tracks operated within city or municipal limits.—The object of this inquiry is to ascertain the miles of track within urban districts as compared with rural districts. The city or municipal limits should be construed to mean any city, town, or village, whether incorporated or not, which is not rural in character.

Constructed and opened for operation during year covered by this report.—Report the number of single-track miles constructed and opened for operation during the year covered by the report.

Weight and style of rails.—Give the maximum and minimum weight per yard of the steel rails in use at the time of making the report. A girder rail weighs from 38 to 135 pounds to the yard; T rails from 15 to 91 pounds per yard. These weights are only general indications and should be used only by the agent to detect wide variations, for which explanation should be made. It is likely that many street-railway systems will have more than one weight of rail, the heaviest being used in cities, the lightest in the outskirts or where supported on ties and sleepers. If possible, the style of rail should be noted, as indicated in the schedule. The agent may be informed of the existence of some iron rail, but this should be disregarded, as such rail has virtually gone out of manufacture and use.

INQUIRY 8.—OVERHEAD ELECTRIC-LINE CONSTRUCTION.

The answer to the inquiry must show the length of construction, whatever such construction may be, "span wire," "side bracket," or "center pole;" also the length of construction with "steel, iron, or concrete poles," and "wooden poles." This length would be the same whether single or multiple tracks were used under such construction. For example: If 5 miles of double track under span-wire construction were reported, the answer to this inquiry would not be 10 miles, but 5 miles. If 5 miles of single track having 1 mile of siding or turn-outs were reported, the answer would probably not be 6 miles, but 5 miles, as the same construction which covers the single track would in most cases cover the sidings also.

The construction reported as "overhead trolley" must include both single and double overhead trolleys. The miles reported for steel, iron, or concrete, and for wooden-pole construction will, when combined, be the same as the total given for overhead trolley, except such portion as is carried by span wire supported from buildings or structures other than poles. The latter condition should be noted and explained.

Considering all systems reported at the census of 1902 there were on the average about 52 poles to each mile of line. A wide departure from this average should be explained. When poles are required for both sides of the track under span-wire construction, the fact should be stated, the total number per mile given, and divided by 2 so the report will show actual conditions.

INQUIRIES 0 AND 10.—CARS AND EQUIPMENT OF CARS.

The answers to inquiry 9 must account for all cars operated, ready for operation, or being repaired. Some cars may serve for more purposes than one, but they must not be counted twice. The total must be the actual number. Passenger cars used also for express, freight, or mail business must be reported as "combination cars (passenger, with express, freight, or mail)." The cars reported as "express, freight, and mail cars" must be devoted solely and specifically to one or more of these several uses. Snowplows and sweepers are often a composite vehicle, and in such cases must be counted only once, under either head. Sprinklers should be reported under "snowplows" or "sweepers," and so designated. "Motor cars" should be reported only for electric or cable systems. Grip cars should be reported as motor cars (with explanation). All other cars, including horse cars, not equipped with electric motive power, should be reported as "trailers."

Some cars may not have the equipment of the character specified in inquiry 10 and therefore should not be included in the answer to the inquiry, while others may have more than one variety of equipment and be reported more than once. The total number reported for the different classes of equipment may not agree with the total of inquiry 9.

The fender is usually a removable piece of apparatus, and where all the cars of the road are so equipped that fenders can be used on them when run out of the car barn for service, they should all be enumerated as equipped with fenders. If a car has no fender attachments, it should not be counted here. Brakes are a permanent fixture on any car, and in the majority of instances will be the ordinary hand brake. Air brakes are set by air-compression mechanism and comprise those in which electric motors under the car drive the air pumps, or the compressed air is obtained from tanks.

INQUIRY 11 .- TRAFFIC AND MILEAGE.

Transfer passengers carried.—Many street railways voluntarily, or when required by law, give free transfers to passengers paying one fare and desiring to ride over more than one line. These transfers are generally issued in the shape of tickets at junction transfer points, or sometimes the passenger steps from one car to the other, without such tickets, under the eye of the transfer agent; and in this manner a continuous ride can be made over more than one road for the one fare. Careful count or estimate of transfers is made by all the reads granting them.

Free passengers carried (not including badge passengers).—All free passengers carried of whom record was kept should be reported here. This includes employees of the company and local government, and other persons, riding on passes; but would not include employees of the company, policemen, and letter carriers in uniform, and known as "badge passengers."

Car mileage.—It is an ordinary practice for street railways to keep an account of this mileage. Where it is not known the car mileage can be estimated fairly well by ascertaining the number of round trips daily on each line or branch of the system and multiplying this by the length of the respective trips. The daily average should be multiplied by the number of days the road was in opera-

tion during the year to obtain the total for the period covered by the report. The number of miles that cars run per day depends upon the location of the road, roads in rural districts making faster time than those in cities. The earnings per car mile should, as a rule, be between 10 and 40 cents.

The use of "trailers" is a source of confusion in computing the car mileage. As a rule, the individual car should be considered as the unit in computing the car mileage, but when the trailers are small and it is the practice of the company to consider the motor car and the trailer as one car in making the computation, the company's figures should be accepted. Train mileage based on three or more cars should not be accepted for car mileage.

The ratio of the number of fare passengers to the number of car miles run has a very important bearing upon the prosperity of the street-railway business. For the country as a whole the average number of fare passengers per car mile in 1902 was 4.26; the cars were run, therefore, on an average, nearly one-fourth of a mile for each fare collected. An extreme variation from this average should be questioned and explained.

In many cases the car mileage of express, freight, mail, and work car service will be a matter of estimate and should include mileage of steam or electric locomotives.

The other inquiry, "car hours," is not obligatory, but is a new method of accounting for car operation and is already employed by some roads. Such roads, however, are large and the system of accounts is likely also to include the older and more familiar "car mile." At the census of 1902 the roads which reported car hours indicated an average of 33 fare passengers per passenger-car hour.

INQUIRY 12.—ACCIDENTS.

In the return of killed or injured, "other persons" is meant to refer to foot passengers or persons riding in vehicles other than street cars that are in collision with the cars. The character or degree of the injury, whether severe or slight, should not be considered in making answer to this inquiry. All accidents of which the company has record should be reported.

INQUIRIES 13, 14, AND 15.—POWER-PLANT EQUIPMENT, SUBSTATION EQUIPMENT, AND ELECTRICAL GENERATORS.

The capacity of the engines and water wheels and of the dynamos is closely related. The engines and water wheels, as a rule, have an excess capacity over that of the dynamos. "Auxiliary engines" will sometimes be found in small railway plants, but in the larger plants electric motors are in common use to drive pumps, etc., and the superintendent or manager can readily enumerate them.

Electric railways are, as a rule, operated by direct-current motors, and current to these motors is furnished either by direct-current generators (i. e., dynamos) or by converters which take alternating current from large alternating polyphase generators and convert it into direct current for consumption at the cars. There will be no difficulty in ascertaining the facts as to these different classes of apparatus, as only the larger systems employ alternating current for widespread distribution, and then usually in connection with substations, to which such current is delivered to be passed through transformers and converters, so that it may be adapted for use by the direct-current motors. Storage batteries are used, either in the main power plants or in the substations, to help maintain a steady supply of current at the right pressure, and "boosters" are dynamos assisting to the same end. The substation is particularly a feature of long-distance rural electric-railway work, but in every instance such roads have competent engineers who can give the substation equipment should it not be in possession of the management.

The feature of substation equipment is that it does not generate current, but receives it, manipulates it, stores it, and lowers the pressure or changes the form for local consumption. All the generating plants will usually be found in the generating stations, but sometimes substation apparatus will be found under the same roof as the main generating-plant apparatus.

As a rule, dynamos for road work vary from 480 to 600 volts each, there being very few over 800 volts. The voltage of machines for lighting purposes varies greatly. In all cases the kilowatt capacity, voltage, and amperage reported must represent a single machine. If there is more than one machine of the same class, give separate information for each.

INQUIRY 16 .- OUTPUT OF STATION.

This is an inquiry in regard to which some roads may have no data, although with many of them it is a matter of careful scientific accounting. In every case the volts multiplied by the amperes will give the number of watts. A kilowatt is 1,000 watts. There are 746 watts in the old familiar horsepower, so that a kilowatt is roughly 1½ horsepower. Watt hours are the product of watts multiplied by the number of hours during which the current is in use. Thus a power house with a dynamo delivering current to the line of 1,000 amperes at 550 volts pressure is generating 550,000 watts, or 550 kilowatts. If these 550,000 watts are furnished, on an average, twenty hours daily, we get 11,000,000 watt hours or 11,000 kilowatt hours. The total for the year can be arrived at from the daily total.

The output must be obtained from the load voltage and amperage, or from the actual watt or kilowatt reading of dynamo meters. The kilowatt hours may be tested by the car mileage. One car mile requires from eight-tenths of one to three and one-half kilowatt hours. Long and heavy cars in some instances require more.

INQUIRY 17.-MISCELLANEOUS STATISTICS.

Most of the questions under this inquiry are self-explanatory. Special attention is, however, directed to the following:

Miles of telephone lines in use exclusively for operation of road.— Many street railways have their own regular car-dispatching system, which is aided and supplemented by a telephone service belonging to the road, the wires being strung along the line. Other roads that may not have dispatchers place telephone boxes on their poles to enable communication between any conductor and headquarters. All of this service is independent of the local telephone system used by the public and furnished from a local exchange; and the inquiry does not include the instruments or lines that the street-railway company may hire from the telephone company as a subscriber.

Miles of subway or tunnels occupied by tracks.—This question must not be confused with the question of "subway and tunnels" of inquiry 7, which calls for the single-track mileage. The question here calls for the miles of subway or tunnel construction and not the single-track mileage.

Steam-railroad crossings protected, etc.—Warning signs or orders to car motormen to stop and run forward at track crossings are not to be regarded as a protection of railroad crossings in the sense of this inquiry.

Parks or pleasure resorts.—These are a feature of modern street-railway business and often a large source of income. They have frequently been created by the companies themselves on their lines, and the data should be readily obtainable in every case. The agent must not, however, include in the return parks and pleasure grounds belonging to the community or other interests and entered by street-railway systems; but if the company pays for the privilege of touching at these points, a memorandum should be made of that fact, and the number of passengers thus specifically delivered within such pleasure resorts should be noted, if possible, as distinguished from traffic on lines terminating outside public parks or running around them.

FINANCIAL OPERATIONS.

To facilitate the answers to the inquiries concerning financial operations, the office has adopted the system of accounting devised by the American Street and Interurban Railway Accountants' Association. It is presumed that all street-railway companies are familiar with this system of accounting, but the

following instructions in regard to the items to be included in the answer to each inquiry are given to assist in their compilation:

In the following classification, "Labor" should be understood to mean, not only the manual work of laborers, but also superintendence, supervision, clerical work, engineering, and inspection, so far as they are chargeable to the account referred to.

"Material" should be understood to mean, not only finished or unfinished products, appliances, or parts, but such smaller articles as are usually termed "Supplies."

"Tools" should be understood to mean hand tools of mechanics and other tools, used in the work chargeable to the account referred to.

"Expenses" should be understood to mean all expenses chargeable to the account referred to that are not labor, material, or tools.

The cost of replacement, renewal, or repair of property destroyed or injured by fire, worn-out, or otherwise unfitted for use, should be charged to the appropriate maintenance account, which should be credited with the amount received for insurance or realized from the sale of property so unfitted for use. But if the property substituted is of greater value than the original property, the excess should be charged to the capital or construction account to which the original property was charged; if of less value, the difference between the value of the property as repaired, renewed, or replaced, and its original cost or value should be credited to the capital or construction account to which the first cost was charged. So proceeds from the sale of scrap material should be credited to the account to which the cost of replacement of that material is charged, or, if not replaced, to the original cost account.

The cost of experiments should be charged in operating expenses to the account most affected.

INQUIRY 18.—COST OF CONSTRUCTION AND EQUIPMENT.

The schedule used at the census of 1902 required a separate amount for each item of this account. The majority of the companies could not make the segregation and therefore only the totals are required at this census. In order to obtain an amount which will be comparable with the totals for 1902 care must be taken to include the cost of each of the following items:

Organization.—All expenses incurred in effecting organization, including legal expenses.

Engineering and superintendence.—All expenditures for services of engineers, draftsmen, and superintendents employed on preliminary and construction work, and all expenses incident to the work.

Right of way.—All expenditures in connection with securing or paying for right of way, including cost of real estate for right of way.

Track and roadway construction.—All expenditures for track and roadway construction, including labor, material, tools, freight, hauling, distribution of material, and all other expenses incident to the work; cost of grading, excavating, track laying, ties, yokes, slot rails, manhole frames and covers, rails, rail fastenings, welded joints, special work (such as crossings, crossovers, curves, frogs, guard rails, run-offs, switches, switch mates, turn-outs), ballasting, paving, fences (right of way), bridges and culverts, trestles, subways, and tunnels.

The cost of tracks in yards, terminals, car houses, or other buildings should be charged to this account.

Electric-line construction.—All expenditures for overhead, underground, third-rail, or surface-contact electric-line construction, including labor, material, tools, freight, hauling, distribution of material, and all other expenses incident to the work; cost of punching and drilling rails for track wiring, rail bonds, poles (iron, concrete, and wood), labor and material for setting and painting poles; feed wire, guard wire, span wire, strain wire, supplementary wire, trolley wire, ground feeders, underground feeders, pole fixtures, hangers or suspensions, insulators (overhead), lightning arresters and appliances, signals and signaling apparatus,

overhead crossings and switches, ground terminals, and all labor in connection with putting same in position; conduits and conduit appliances for underground-trolley construction, including conductors, insulators, sewer connections, sewer traps, and underground feeders; third rails, and insulators for third-rail construction; surface-contact appliances for surface-contact roads, including magnets, contact boxes, manhole frames and covers.

Real estate used in operation of road.—All expenditures for real

estate used in operation of road.

Buildings and fixtures used in operation of road.—All expenditures for buildings and fixtures used in operation of road, including labor, material, tools, freight, hauling of material, and all other expenses incident to the work. The term "buildings and fixtures" includes power houses, car houses, shops, office buildings (when owned by the company), waiting rooms, sheds, outhouses, coal bins, sand houses, stables, storehouses, switch tenders' houses, fences (except park and right of way), docks, wharves, and all other buildings and inclosures, and their stationary fixtures, including pipes for gas, water, sewage, and drainage, apparatus for heating, lighting, and ventilating, sidewalks, and paving in streets in front of and adjacent to the company's buildings (except in tracks), and inspection and repair pits in car houses, shops, or other buildings.

Investment real estate.—All expenditures for land and buildings not used in operation of road.

Power-plant equipment.—All expenditures for steam and electric equipment of power plant, including foundations and installation. The equipment of substations (if used) should be charged to this account. All expenditures for water-power machinery (if used) should be charged to this account.

Shop tools and machinery.—All expenditures for shop tools and machinery for general repair shops, car houses, etc., including foundations and installation.

Cars.—All expenditures for passenger, baggage, express, freight, mail, and other cars from the operations of which revenue is derived. The term "cars" includes car bodies and trucks, and all fixtures or appliances inside of or attached to the car body or truck (except the electric equipment of the car).

Electric equipment of cars.—All expenditures for electric equipment and wiring of all cars, whether revenue cars or work cars, including labor, material, tools, freight, hauling of material, and all other expenses incident to the work.

Miscellaneous equipment.—All expenditures for water cars, sprinkling cars, sand cars, salt cars, supply cars, and other work cars; snowplows, sweepers, scrapers, and miscellaneous snow equipment; horses, harness, wagons, and vehicles; tools and appliances necessary in the use of work cars or snow equipment.

Interest and discount.—All interest paid or received in connection with funds for construction, and all discounts or premiums resulting from the negotiation of securities for construction, should be charged or credited to this account.

Miscellaneous.—All expenditures for printing and stationery, office supplies and expenses, damage claims, wages of clerks, and all other expenses incident to construction not otherwise provided for.

If a combined report for railway and light and power plant is prepared as provided for by the instructions in the schedule, the cost of the electric light and power plant should be included in this inquiry.

INQUIRY 19.—OPERATING EXPENSES.

1. Maintenance of track and roadway.—All expenditures for repairs and renewals of track and roadway, of culverts and subways, of tracks in yards, terminals, car houses or other buildings, including labor, material, tools, fuel, light, water, ice, freight, hauling, and distribution of material, and all other expenses incident to the work.

The cost of taking up track, whether new track is laid in its place or not, should be charged to this account.

The cost of punching and drilling rails for repairs or renewals of track wiring, and of removing and relaying pavement, ballast,

etc., when necessary for repairs or renewals of the line, should be charged to account No. 2.

The cost of repairs and renewals of harness and wagons used in connection with this work should be charged to account No. 8.

The cost of feed and keep of horses used in connection with this work should be charged to account No. 30.

Following is a list of some of the items chargeable to this account:

Ballast. Bolts. Manhole covers, for underground trolley. Manhole Braces, rail. Brick. Bridges. frames. for underground trolley. Molds, for welded joints. Coment Cement.
Chairs, for rails.
Cinders, for ballast.
Clamps, for welded joints.
Coke, for welding joints. Nuts. Nut looks. Paving materials. Pig iron, for welded joints. Pipes, drain. Rails. Run-offs. Crossings. Crossovers. Culverts. Band. Sand. Screws. Slots, for underground trolley. Spikes. Steel. Fences, right of way Fish plates. Freight. Frogs. Fuol. Stone. Subways. Switches. Gravel Guard rails. Hauling. Loo, for ice water. Switch mates. Tles. Tie plates. Tie-rods. Iron.
Joints, welded.
Joints, not welded. Tools, Trestles, Tunnels. Labor.
Light (lanterns and fixtures, oil, lamp-wick, torches, candles, incandescent lamps and fixtures, are lights and fixtures, globes, and carbons).

Tumber Turn-outs. Washers. Water. Yokes, for underground trolley.

2. Maintenance of electric, cable, etc., lines.—All expenditures for repairs and renewals of overhead, underground, third-rail, or surface-contact electric lines, and cable line, including labor, material, and tools employed or used in taking up, resetting, and painting or repainting poles, taking down trolley, feed, guard, and supplementary wires, and substituting new, repairing and renewing conduits for wires, repairing and renewing bond wires, punching and drilling rails for track wiring, removing and relaying pavement, ballast, etc., when necessary for repairs or renewals of the line, freight, hauling, and distribution of material, fuel, light, water, and ice, and all other expenses incident to the work.

The cost of repairs and renewals of the line in yards, terminals, car houses, or other buildings should be charged to this account.

The cost of feed and keep of horses used in connection with this work should be charged to account No. 30.

The cost of repairs and renewals of harness and wagons used in connection with this work should be charged to account No. 8.

Following is a list of some of the items chargeable to this account:

Coment.
Charcoal.
Clamps, for poles.
Conductors, for underground trolley.
Conductors, for underground trolley.
Conductors, for underground trolley.
Conducts, for surface-contact roads.
Contact boxes, for surface-contact
roads.
Cord.
Cross-arms, iron.
Cross-arms, wood.
Grossings.
Foedors, ground.
Feedors, ground.
Feedors, underground.
Freight.
Fiel.
Gasoline.
Hangers.
Hauling.
Ice, for lee water.
Insulators, overhead.
Insulators, underground.
Insulators, irothird rail.
Iron.
Labor.
Light (lanterns and fixtures, oil,
lampwick, torohes, candles, incandescent lamps and fixtures, are
lights and fixtures, globes, and carbons).
Lightning arresters and parts.
Magnets for surface-contact roads.
Magnets for surface-contact

Manhole frames, for surface-contact roads.
Nuts.
Painting material, for poles.
Plus, fron, for cross-arms.
Plus, wood, for cross-arms.
Poles, iron.
Poles, wood.
Pole tops, for iron poles.
Itali bonds.
Sand.
Serows.
Sewer connections, for underground trolley.
Sewer traps, for underground trolley.
Signals and signaling apparatus.
Solder.
Soldering salts.
Steel.
Stone.
Suspensions.
Switches.
Tape, insulating.
Terminals.
Third rails.
Thools.
Washers.
Water.
Wire, guard.
Wire, span.
Wire, strain.
Wire, supplementary.
Wire, trolley.

3. Maintenance of buildings and fixtures.—All expenditures for repairs and renewals of buildings and fixtures used in the operation of the road, including labor, material, tools, freight, hauling of material, and all other expenses incident to the work.

The term "buildings and fixtures" includes power houses, car houses, shops, office buildings (when owned by the company), waiting rooms, sheds, outhouses, coal bins, sand houses, stables, storehouses, switch tenders' houses, fences (except park and right-of-way fences), docks, wharves, and all other buildings and inclosures, and their stationary fixtures, including pipes for gas, water, sewage, and drainage, apparatus for heating, lighting, and ventilating, sidewalks and pavements in front of and adjacent to the company's buildings (except in tracks), and inspection and repair pits in car houses, shops, or other buildings.

The cost of repairs and renewals of tracks in yards, terminals, car houses, or other buildings should be charged to account No. 1.

The cost of repairs and renewals of the line in yards, terminals, car houses, or other buildings should be charged to account No. 2. Following is a list of some of the items chargeable to this account:

Awnings. Bolts. Bolt ends. Pipes, gas. Pipes, sewer. Pipes, water. Pits in ear houses and shops. Plaster. Brick Bullders' hardware. Bullding material. Bullding permits. Plumbing. Rivets. Roofing material. Cement. Cisterns. Drains. Sand. Sash cord Exenuations. Sash weights. Scales, platform. Executions. Founces (except park and right of way). Foundations. Froight. Grading. Screws Sewering. Shelving and other fixtures. Hauling. Shingle Heating apparatus and fixtures. Sidewalks. I-beams. Iron. Labor. Spikes. Steel. Stone. Stone.
Tile.
Tools.
Turn-buckles.
Ventilating apparatus and fixtures.
Ventilating apparatus and fixtures. Lighting apparatus and fixtures. Lumber. Nails. Washers. Water. Water connections. Pulnting materials (oil, turpentine, varnish, lead, and painters' supplies).

Paving in streets (except in connection Water meters. Wells. with tracks). Pipes, drain.

4. Maintenance of steam plant.-All expenditures for labor, material, tools, freight, hauling of material, and all other expenses incident to repairs and renewals of steam plant or water-power plant, including engines and engine parts, appliances and fixtures, belts, belt tighteners and fixtures, receivers, lubricators, and oiling devices; shafting, clutches, cranes, hoists, and other engine-room appliances; boilers, boiler fittings and appliances; furnaces, economizers, stacks, mechanical-draft machinery, pumps, feed-water heaters, purifiers, tanks, condensers, coal and ash conveying machinery, mechanical stokers, and other boiler-room appliances; piping and steam fitting, including valves, separators, water and sewer connections, and water meters.

Following is a list of some of the items chargeable to this account:

Ash-conveying machinery. Belts. Belt fixtures. Belt tighteners. Bollors. Holler appliances. Bollor fittings. Cement. Clutches. Coal-conveying machinery. Condensers. Draft machinery. Economizers. Engines. Engine appliances. Engine fixtures. Engine parts. Fire brick. Fire clay. Freight. Furnaces. Grate bars. Hauling. Heaters, feed-water.

Hoists Injectors. Injectors.
Iron.
Labor.
Lubricators.
Oiling devices.
Piping.
Pipe covering.
Pipe fittings.
Pulleys. Pumps. Purifiers Receivers. Screws. Separators Sewer connections. Shafting. Stacks Steam fittings. Steel. Stokers, mechanical. Tanks.
Tools.
Water connections. Water-power machinery.

5. Maintenance of electric, cable, etc., plant.—All expenditures for labor, material, tools, freight, hauling of material, and all other expenses incident to repairs and renewals of plant, including generators and generator parts, switchboards, cables, and feeder terminals and wiring in connection with same, storage batteries, transformers, boosters, rheostats, circuit breakers, ammeters, and other electric equipment.

Commutator brushes for generators should be charged to account

Following is a list of some of the items chargeable to this account:

Ammeters. Boosters. Cables. Circuit breakers. Feeder terminals. Freight. Generators. Generator parts. Hauling.

Lightning arresters and parts. Rheostats. Storage batteries. Switchboards. Switches. Tools Transformers

6. Maintenance of cars.—All expenditures for repairs and renewals of passenger, baggage, express, freight, mail, and other cars from the operation of which revenue is derived, including labor, material, tools, freight, hauling of material, and all other expenses incident to the work.

The term "cars" includes car bodies and trucks and all fixtures or appliances inside of or attached to the car body or truck, except the electric, cable, etc., equipment of the car.

The cost of cars purchased to keep good the original number of cars should be charged to this account.

Bell and register cord, trolley rope, incandescent lamps, commutator brushes, and other supplies for cars should be charged to account No. 21.

Following is a list of some of the items chargeable to this account:

Bell-cord fixtures. Bell-cord inxeures.
Bolts.
Brakes (hand or power).
Brake appliances (hand or power).
Brake shoes. Brass fixtures Brass trimmings. Bumpers. Canvas. Cotters. Curtains Curtain fixtures. Dashes and parts. Drawbars. Electric heaters. Electroliers.
Fare registers.
Fenders and parts. Floor mats. Freight. Gates. Glass. Gongs.
Gongs.
Grab handles.
Hauling.
Headlights and parts.
Iron.

Labor. Labor.
Life guards.
Lumber.
Mirrors.
Nails.
Nuts.
Oil boxes. Painting material.
Pedestals.
Pilots.
Sand boxes, attached to cars. Screws. Seats. Seat covering. Seat fixtures. Signs. Sign fixtures. Snow scrapers, attached to cars. Springs. Steel. Steps. Stoves. Stove fixtures. Tools.
Trucks.
Truck frames and parts.
Washers. Wheels. Woodwork.

7. Maintenance of electric, cable, etc., equipment of cars.—All expenditures for repairs and renewals of the electric, cable, etc., equipment and wiring of cars, whether revenue cars or work cars, including labor, material, tools, freight, hauling of material, and other expenses incident to the work.

Following is a list of some of the items chargeable to this account:

Armatures and parts. Bearings. Bolts.
Brasses, armature, axle, gear-case.
Brush holders and parts. Brush holders and parts.
Canyas.
Circuits for heat, light, power.
Circuit breakers, automatic.
Commutators and parts.
Contact shoes for surface-contact cars.
Contact shoes for third-rail cars.
Controllers and parts.
Cotters. Cut-out boxes and parts. Fields and parts. Frames, for motors. Freight. Gears.
Gear cases and parts. Hauling. Heat circuits. Insulating material.

Iron.

Labor.

Light circuits. Lightning arresters and parts.
Motor frames.
Nuts.
Pinions. Plows, for underground-trolley cars. Power circuits. Rheostats. Screws. Shafts Storage batteries, for storage-battery cars. Storage Dutteries, for storage Tape.
Terminals.
Tools.
Trolley bases.
Trolley forks.
Trolley poles.
Trolley wheels and parts.
Washars.

The cost of shifting equipments from summer to winter cars, or vice versa, should be charged to this account.

The cost of equipments purchased to keep good the original number of equipments should be charged to this account.

The cost of commutator brushes, incandescent lamps, oil, and other supplies for the equipment of cars should be charged to account No. 21.

8. Maintenance of miscellaneous equipment.—All expenditures for repairs and renewals of water cars, sprinkling cars, sand cars, salt cars, supply cars, other work cars, snowplows, sweepers, scrapers, miscellaneous snow equipment, wagons, and all other vehicles not operated for the purpose of revenue, including labor, material, tools, freight, hauling of material, and all other expenses incident to the work.

Replacing horses lost by death or worn-out in the service, depreciation in value of horses, and repairs and renewals of all harness and vehicles should be charged to this account.

Repairs and renewals of the electric, cable, etc., equipment of all work cars, snowplows, sweepers, etc., should be charged to account No. 7.

Following is a list of some of the items chargeable to this account:

Axles.
Bolts.
Bolts.
Brakes (hand or power).
Brake appliances (hand or power).
Brake shoes.
Brasses.
Bratian for swoopers.
Cotters.
Dashes and parts.
Bratian, for swoopers.
Sand boxes, attached to work ears.
Bratian, for swoopers.
Sand boxes, attached to work ears.
Springs.
Stoow scrapers, attached to work ears.
Springs.
Stool.
Freight.
Glass.
Grab handles,
Grab handles,
Headlights and parts.
Fron.
Headlights and parts.
Fron.
Labor.

9. Miscellaneous shop expenses.—All expenditures for repairs and renewals of shop tools, machinery, and appliances, such as engines, boilers, shafting, motors, etc., used in general repair work, including labor, tools, coal, coke, lubricants, waste, and other material, freight, hauling of material, fuel, light, water, and ice, wages of master mechanic, shop foreman, engineers, firemen, and other employees engaged in operating shop engine, and all other expenses incident to the general repair shops.

Hand tools of mechanics or laborers used exclusively in connection with work chargeable to accounts Nos. 1 to 8, 14, 21, and 22 should not be charged to this account, but to the account benefited by their use.

Following is a list of some of the items chargeable to this account:

Light (lanterns and fixtures, oil, lamp-wick torches, candles, incandescent lamps, are-light globes and carbons), Lubricants. Belts and belt fixtures. Bollers and boiler fittings. Brooms. Charcoal. Clutches. Lumber. Motors and parts (for shop use only). Coal. Nalls. Nuts. Coke. Cotters. Cranes. Pipe covering. Pipe fittings. Pulleys. Pumps. Draft machinery. Engines and parts. Engine appliances and fixtures. Fire brick. Screws. Shafting. Fire clay. Stacks Steam Attings. Steel. Tools, machine. Furnaces and parts. Tools, hand. Washers. Waste. Hauling. Heaters, feed-water. II nists. o, for ice water. Welding compounds. Labor.

10. Power-plant wages.—All expenditures for labor in the power plant, except labor employed in making repairs or renewals.

This includes the wages of the following employees:

Boller cleaners, Ollers, Other labor (boller room), Coal passers, Other labor (engine room), Englacers, Switchboard tenders, Piremen, Water tenders, Generator tenders,

11. Fuel for power.—All expenditures for coal, oil, or gas used as fuel, or other fuel used at power plant, including freight and hauling.

12. Water for power.—All expenditures for water used to produce steam or to operate a water-power plant.

13. Lubricants and waste for power plant.—All expenditures for lubrication of power plant, including oil, grease, waste, rags, etc.

14. Miscellaneous supplies and expenses of power plant.—All expenditures for operation of power plant not otherwise provided for.

Following is a list of some of the items chargeable to this account:

Boiler compound.
Boiler inspection.
Brushes, flue,
Brushes, for gonerators.
Brushes, for scrubbing.
Bring cans.
Flue oxidinguishers.
Flue oxidingui

15. Power purchased.—All expenditures for power purchased from other companies or power plants.

16. Superintendence of transportation.—Wages of division superintendents, their assistants and aids, road officers, inspectors, and others employed in superintending transportation.

17. Wages of conductors.—Those engaged in operating revenue cars.

18: Wages of motormen.—Those engaged in operating revenue cars.

19. Wages of other car-service employees.—Wages of starters, transfer agents, switch tenders, trolley men, trail-car couplers, and other car-service employees.

20. Wayes of cur-house employees.—Wages of car-house foremen, watchmen, car placers, car shifters, car and motor inspectors, car cleaners, lamp and headlight tenders, car oilers, car-stove firemen, trolley oilers, and other car-house employees not engaged in making repairs or renewals.

The cost of shifting cars for the purpose of repairs or renewals should be charged to account No. 6 or 7.

21. Car-service supplies.—All expenditures for lubricants and waste for cars and equipment of cars, incandescent lamps, oil and other supplies for lighting cars, water and other supplies for cleaning cars, fuel for heating cars, bell and register cord, trolley rope, commutator brushes, tools, and other material and supplies, except such as are used for repairs or renewals of cars or equipment of cars.

Following is a list of some of the items chargeable to this account:

Batterles, dry, for electric bells in cars, Bell cord.
Boll cord.
Brushes, for cars, Brushes, for car washing, Brushes, for motors.
Brushes, for car washing, Polish.
Candles.
Chamols skins.
Chimneys, for headlights.
Coal hods, for cars.
Pusels, for cars.
Fluel, for cars.
Fluel, for cars.
Fluel, for cars.
Flues, for car washing, Illuminating oil.
Incandescent lamps.
Kindling,
Lampwick.

Libricants.
Matches.
Mops
Mops
Hokers.
Polish.
Rags.
Register cord.
Shakers.
Shovels.
Shovels.
Soup.
Fruel, for cars.
Frues.
Trolley rope.
Waste.
Water, for car washing,
Lampwick.

22. Miscellaneous car-service expenses.—All expenditures for secret inspection, transfers and tickets, conductors' books, punches, portable registers, tools for motormen, employees' badges and uniforms; cost of getting derailed cars on track and removing obstructions and wreckage; miscellaneous expenses of car houses, including fuel, light, water (except water used for car washing), and ice, and all other car-service expenses not otherwise provided for.

Water used for car washing should be charged to account No. 21. Following is a list of some of the items chargeable to this account:

Badges, for employees. Brooms, for ear houses. Buokets, for ear houses. Conductors' books. Conductors' fare hoxes. Conductors' punches. Fire husekets Fire buckets Fire extinguishers. Fuel, for car houses, Hose, for cur houses. Ice, for ice water.
Light (lanterns and fixtures, oil, lamp-wick, torches, candles, incandescent

wick, torches, candles, incandescent lamps, are-light globes and carbons).

Portable registers. Secret inspection expenses. Sprinkling cans. Tickets. Tools, Tools, for motormen. Transfers Uniforms Water (except water for car washing), Wrecking expenses.

22a. Hired equipment.—The rental of cars, equipment of cars, and other equipment.

23. Cleaning and sanding track.—All expenditures for cleaning, greasing, watering, sprinkling, and removing dirt from track, sanding track, including wages of men engaged in the work, cost of sand and of hauling, drying, and distributing same, cost of track brooms and other tools, curve grease, water for sprinkling and watering track, and all other supplies and expenses incident to the work.

The cost of feed and keep of horses used in connection with this work should be charged to account No. 30.

The cost of repairs and renewals of harness and wagons, water, sprinkling, and sand cars used in connection with this work should be charged to account No. 8.

This account should not include cost of sprinkling rendered necessary by repairs or construction of track or paving.

The cost of sprinkling street (except tracks) in front of or adjacent to company's property should be charged to account No. 32.

Following is a list of some of the items chargeable to this account:

Curve grease. Fuel for drying sand. Sand. Sand dryer and parts. Shovels. Track brooms. Track brushes. Water.

24. Removal of snow and ice.—All expenditures for removal of snow and ice from tracks, whether done by the company or otherwise, including labor, material, tools, and expenses, cost of salt and of delivering same in car houses or bins, and the wages of men engaged in salting track and operating snowplows, sweepers, scrapers, etc.

The cost of feed and keep of horses used in connection with this work should be charged to account No. 30.

The cost of repairs and renewals of harness, wagons, salt cars, snowplows, sweepers, scrapers, and miscellaneous snow equipment used in connection with this work should be charged to account No. 8.

- 25. Salaries of general officers.—Salaries of president, vice-president, secretary, treasurer, auditor, general manager, assistant general manager, chief engineer, general superintendent, purchasing agent, and all other officers whose jurisdiction extends over the entire system.
- 26. Salaries of clerks.—The salaries of bookkeepers, cashiers, receivers, paymasters, stenographers, clerks employed in counting cash, tickets, and transfers, and all other clerks employed in the general office or elsewhere.
- 27. Printing and stationery.—All expenditures for printing, stationery, and stationery supplies, except as hereinafter provided.

The cost of printing tickets and transfers should be charged to account No. 22.

The cost of printing briefs and other legal papers should be charged to account No. 34 or 35.

The cost of printing signs, posters, and other advertising matter should be charged to account No. 31.

Following is a list of some of the items chargeable to this account: Arm rests.

Blanks. Blank books. Blotters. Blotting paper. Carbon paper. Coin bags. Copy (impression) books Copying brushes. Dating stamps. Envelopes. Evelets. Eyelet punches. Erasers. Hectographs. Indexes. Ink. Inkstands. Ink erasers. Letterpresses. Mechanical calculators. Mineographs. Money tags. Money wrappers. Mucilage and brushes. Numbering stamps. Oil paper. Paper (all kinds). Paper baskets.

Paper cutters. Paper fasteners Paper files.
Paper weights.
Pencils. Pencil erasers. Penholders. Penracks. Pins. Printing (except printing charged to accounts Nos. 22, 31, 34, 35).

Rubber bands. Rubber stamps. Rule Scrapbooks. Scaling wax. Seals. Shears Shipping tags. Shipping tickets Shorthand books. Shorthand books.
Sponges.
Sponge cups.
Tissue (impression) paper.
Typewriters.
Typewriter supplies.
Twine.
Wastebaskets.
Wenyling record Wrapping paper.

28. Miscellaneous office expenses.—The cost of office supplies, repairs and renewals of office furniture, wages of janitors, porters, and messengers, and all other office expenses.

The cost of printing, stationery, and stationery supplies should be charged to account No. 27, except as otherwise provided.

Following is a list of some of the items chargeable to this account:

Brooms. Buckets Chamois skins. Dusters. Fuel. ice. Light. Mops.

Paper clips.

Perious. Postage. Soap. Sponges. Sprinkling cans. Towels. Towel service. Water.

- 29. Stores expenses.—All salaries and expenses in connection with storerooms, including cost of sending material and supplies from general storeroom to branch storerooms, and the collecting of scrap
- 30. Stable expenses.—The cost of feed, keep, and shoeing of horses, and all other stable expenses.

This account should include the stable expenses of all horses, regardless of where they are used.

Replacing horses lost by death or worn out in service, depreciation in value of horses, and repairs and renewals of harness and vehicles should be charged to account No. 8.

Following is a list of some of the items chargeable to this account:

Bedding. Blankets. Brooms. Brushes. Buckets Chamois skins. Currycombs. Dusters. Fire buckets. Fire extinguishers. Horseshoers, wages of.

Horseshoeing supplies. Horseshoeing (by contract). Hostlers, wages of. Ice. Light. Medicine. Sponges. Sprinkling cans. Stablemen, wages of. Veterinarian (salary or fees). Water.

- 31. Advertising and attractions.—The cost of advertising of every description, including printing handbills, dodgers, posters, folders, etc., net expense of music, parks, park properties and resorts (after deducting all income from admittance fees, sale of privileges, etc.), and all donations made and other expenses incurred for the purpose of attracting travel.
- 32. Miscellaneous general expenses.—The cost of public telephone service, maintaining and operating private telephone system, telegrams, subscriptions, and donations (except those provided for in account No. 31), traveling expenses of general officers and others connected with general office, and contingent expenses connected with the general management not otherwise provided for.
- 33. Damages.—All expenditures on account of property damaged and persons killed or injured, salaries and expenses of claim agents, investigators, adjusters, and others engaged in the investigation of accidents and adjustment of claims, salaries, fees and expenses of

surgeons and doctors, nursing, hospital attendance, medical and surgical supplies, fees and expenses of coroners and undertakers, fees of witnesses and others, except lawyers' fees and court costs and expenses.

Following is a list of some of the items chargeable to this account:

Accident insurance premiums.
Adjusters' expenses.
Adjusters' salaries.
Claim agents' expenses.
Claim agents' salaries.
Coroners' fees and expenses.
Damage claims for electrolysis.
Damage claims for lockes killed or injured.
Damage claims for persons killed or injured.
Damage claims for persons canaged.
Damage claims for property damaged.
Damage claims for wagons or vehicles damaged.
Doctors' expenses.

Dootors' fees or salaries.
Funeral expenses.
Hospital expenses.
Investigators' expenses.
Investigators' salaries,
Medical supplies.
Murses' expenses.
Nurses' expenses.
Nurses' fees.
Premiums for accident insurance.
Surgeons' oxpenses.
Surgeons' fees.
Surgeons' salaries.
Surgeons' salaries.
Surgeons' sees.
Undertakers' expenses.
Undertakers' oxpenses.
Undertakers' oxpenses.
Witnesses' oxpenses.
Witnesses' fees.

34. Legal expenses in connection with damages.—All legal expenses incurred in connection with the defense or settlement of damage claims.

The compensation of the general solicitor or counsel and other attorneys engaged partly in the defense and settlement of damage suits and partly in other legal work should be apportioned between this account and account No. 35.

The term "legal expenses" should be understood to include the salary of general solicitor or counsel, salaries, fees, and expenses of attorneys, fees of court stenographers, unless included in court costs, cost of law books, printing of briefs, court records, and other papers, court costs, expenses connected with taking depositions, and all other court expenses.

35. Other legal expenses.—All legal expenses except those incurred in connection with the defense or settlement of damage claims.

The compensation of the general solicitor or counsel and other attorneys engaged partly in the defense and settlement of damage suits and partly in other legal work should be apportioned between this account and account No. 34.

36. Rent of land and buildings.—All rents paid for land and buildings used in the operation of the road.

37. Rent of tracks and terminals.—All rents paid for tracks and terminals, bridge rentals, and tolls. The word "terminals" is not meant to refer to depots, car houses, or other buildings at the termini of the road. Rents for these should be charged to account No. 36.

38. Insurance.—The cost of fire and boiler insurance.

Wages, supplies, and expenses incident to electric service not included in any of the above items.—Amounts are to be reported for railway companies that sell electric current for light or power. Include all operation and maintenance expense incident to the generation and sale of electric current that has not been included in the answer to any of the other inquiries.

The following alphabetical list of items chargeable to operating expense accounts of electric railways shows the account, or accounts, to which each item is chargeable. The purpose of this list is that it may serve as a guide in the use of the classification of operating expense accounts recommended by the American Street and Interurban Railway Accountants' Association, and bring about a standard method of making charges. It is not a complete list of all items chargeable to the operating expense accounts of electric railway companies, but is an index of many and perhaps most of such items.

	Item.		Accounts
Accident insurance premi	ums		chargeable.
Adjusters' expenses and a	aluries	***************	
Alds.		****************	
Architects	*************		5
Arc lights (light)			1,2,3
Arc-light fixtures (light).	· · · · · · · · · · · · · · · · · · ·	******	J, 14, 23, 28, 29, 80 1, 2, 8
Arc-light globes (light)		1,2,1	1, 14, 22, 28, 29, 80
Armature winders (mecha	inles)	***************	5,7,9
Adjusters' expenses and s Advertising Atds. Ammeters (electric plant) Architects. Arc lights (light) Arc-light carbons (light) Arc-light faxtures (light) Arc-light fixtures (light) Arc-light fixtures (light) Arc-light globes (light) Armatures and parts. Armatures and parts. Armature windors (mucha Arm tests. Armature windors (mucha Arm tests. Ash-conveying machinery Assistant division superin Bandison and Bandison ambles described and Bandison ambles desc	(sleam plant)		27
Assistant division superin	tendents	******	16
Attorneys' expenses, fees,	and salarles	******************	
Attractions for promoting	travel		
Awnings	****************	********************	
Babbitt metal	*******		
Badges, employees' Ballast	*******	***************	22
Batteries for electric bells	in cars		1 21
Batteries, storage (electric	plant or cars)		5,7
Bedding (stable)	***************************************	*********************	80
Bell cord	**************		6 21
Batteries for electric bells Batteries, storage (electric Bearings for electric equip Bedding (stable). Bells, cars Bell cord Bell-cord fixtures. Bells for steam plant.	*********		
Belts for shops	****************		9
Belt fixtures. Belt tighteners.			7,0
Binders (office)	****************	·······	
DIMIN DUUNG			
Rinnic forms			07
Blotters.	****************		
Boiler compounds	***************		27
Boller fittings			4,0
Blankets (stable) Blottors. Blottors. Blotting paper. Boller compounds. Boller fittings Boller fittings Boller-room employees (properties) Bolls. Bolt ends. Bolt ends. Books (blank books) Books for lighting arreste Braces, rails. Brakes (hand or power). Brake appliances (hand on Brake shoes. Brasses (oar brasses). Brasses flaxtures (cars).	nsurance companies)	9,14
Bolts			2, 3, 4, 5, 6, 7, 8, 9
Books (blank books)	****************		2, 3, 9, 5, 6, 7, 8, 9
Boosters (electric plant)			20
Boxes for lightning arresto	rs		
Brakes (hand or power)	***************	·····	6.8
Brake appliances (hand of Brake shoes	'power)	******	6,8
Brases (car brases)	*************		6,8 6,8 6,8 6,7,8
DELLA PROPERTY OF THE PROPERTY			R
Drick.	*******		1,3
Bridge rentals. Bridge tolls. Bridge tolls. Bridse (printing of law brid Brooms, corn. Bollers, steam plant. Bollers, shop. Boller appliances. Boller (elapors.	*******	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	37
Briefs (printing of law brief	ofs)		34.35
Brooms, corn	•••••••	9, 14	, 21, 22, 28, 29, 30
Bollers, shop	* * * * * * * * * * * * * * * * * * *	· · · · · · · · · · · · · · · · · · ·	0
Boller eleaners			
Brooms, stable	• • • • • • • • • • • • • • • • • • • •		30
Brooms, track	·····		
Brushos, fluo	*******		
Brushes, horse			30
Brushes, serubbing	(urpment of cars)	9.14	.21.22.28.29.30
Brush holders and parts (e	dectric equipment of	(cars)	01 00 00 00 00
Buggles			, 21, 22, 28, 29, 30
Bullders' hardware	paris)		8
Brushes for car washing. Brushes, fitto. Brushes, fitto. Brushes, for generator Brushes, horso. Brushes, corso o electric ec Brushes, scrubbing. Brushs holders and parts (e Brushes, scrubbing. Brush holders and parts (e Bruckets. Buggles. Buggles (material or ropals Builders' hardware. Building material Building pormits. Bumpers (cars). Cables, switchboard. Calculators, mechanical Candles (light). Canvas or duck for cars Carbons for are lights (light) Carbon paper. Carponiers (mechanics). Cars, baggage. Cars, express. Cars, mail.		****************	
Bumpers (cars)	· • • • • • • • • • • • • • • • • • • •	*****************	6.8
Calculators, mechanical		***************************************	5
Candles (light)	·	1, 2, 9, 14	21, 22, 28, 29, 30
Carbons for are lights (ligh	t)	1.2.0	6,7,8
Carbon paper			27
Cars, baggage	**************	******* I,	s, s, 4, 5, 6, 7, 8, 9
Cars, freight	*****************	*****************	ğ
Cars, mail		******************	B

Item-Continued.	Accounts		
Cars, passenger Cars, private Cars salt.		Item—Continued.	Accounts chargeable.
Cars, private. Cars salt. Cars, sand.		Donations, other than to attractions	32
Cars sand	8	Droftomon	40
Cars simply			
Cars water		Duck or canvas for cars	6,8
Car cleanare		Duck or canyas for cars. Dusters, feather. Economizers (steam plant) Ejectric heaters, for cars.	9, 14, 21, 22, 28, 29, 30
Car curtains. Car-curtain fixtures.	20	Electric heaters, for cars Electric sweepers	4 6
Car cottplare (lobor)	6	Electricians (machanitus)	8
Car-house toroman		Electrolyeis	···· 6.8
Car inspectors	20 1		
Car placers	20	Employees. (Engineers, civil, electric, mechanical)	Indexed by occupation.)
Car sents	20	Engineers, chief of power plant.	
Car-sent fixtures		Engineers in power plant or shop	1, 2, 3, 4, 5, 6, 7, 8, 9
Car-service employees.		Engineers in power plant or shop. Engines (steam plant or shop). Engine appliances. Engine fixtures.	4.9
Car stong	20	Engine fixtures. Engine parts	4,9
Car springs	6	Envelopes	4,9
Car stens	R 1	Propore	27
Car-stove firemen	6	Expenses contingent	
Car-stove fixtures	20	Expenses depositions	32
Car wiringCarts		Evelets (office)	
Carts (material or repoir merta)		Eyelet punches (office)	29 27 27 27 6
Comont	26	Fare boxes conductors!	··· 6
Chamole claims		Feather dustors	6
Chamois skins. Charcoal.		Feed	9, 14, 21, 22, 28, 29, 30
Charcoal Chief engineers, civil, electrical, mechanical Chief engineers (of power plant). Chimneys for headlights Cluders for ballast.	2, 9 25	Feeders, ground Feeders, overhead	30
Chimneys for headlights		Feeders, overhead Feeders, overhead Feeders, underground Feeders, underground Fields and parts	2
Cinders for ballast. Circuits (heat, light, power) for cars. Circuit breakers (electric plant or cars).		Feeders, underground Fields and parts Fances (hulding and inclosures)	2
Circuit breakers (electric plant or cars).	7	Fences (buildings and inclosures) Fences, park Fences, right-of-way Fenders and parts (cars)	5,7
Claim agents' expenses and salaries		Fences, right-of-way	31
Clamps for poles	33	Trian 100, 100, 100, 100, 100, 100, 100, 100	B. 8
Clamps for Welding rail joints	1.9.9.9.6.9.9.9.9	Fire buckets. Fire clay (steam plant or shop)	0 14 99 99 90 90
Circuit breakers (electric plant or cars). Cistorns. Claim agents' expenses and salaries. Clamps for poles. Clamps for welding rall joints. Clerks. Clutches (steam plant or shop). Coal for heating. Coal for power. Coal-convoying machinery (steam plant). Coal hods (for car stoves). Coal passers (steam plant). Colin bags.	1, 2, 3, 4, 5, 6, 7, 8, 9, 26, 29	Fire avtinguishare	4,9
Coal for power	1 2, 9, 21, 22, 23, 28, 29, 80	Firemen (power plant).	9,14,22,28,29,30
Coal hode (for our starres)		Firemen (car stoves)	20
Coal passers (steam plant)	21	Fish plates, track (rall fastenings) Fixtures for buildings Floor mas for ears	1
Coln bags Coke for heating Coke for welding rell toints	27	Folders	
Coke for welding rall joints. Commutators and parts (electric plant or ears) Condensers (steam plant). Conductors (of revenue cars). Conductors for underground trolley.	1, 2, 9, 21, 22, 23, 28, 29, 30	Forges (blacksmith shop) Foremen of car houses	9
Condensers (steam plant)	5, 7		
Conductors (of revenue cars)	17	Frames mater	
Conductors' hooks	2 1	Fraight. 1,2,3,4,5,6,7,8,9,11,13 Frogs, track (special work). Fuel (coal, coke, kindling). Fuel for power. Fuel for power.	,14,21,22,23,24,27,28,30
Conductors' punches	22	Fuel (coal, coke, kindling)	1 2 0 21 22 22 20 00 20
Conduits	22 1	Fuel for power. Fuel for car stoves	
Contact hoves (for surfece contact 10aus)	2 Ī	Fineral aypanees	21
Contact shoes (for surface-contact roads) Contact shoes (for shird-rail ears) Contingent expanses	7 7	Firene (nore)	4,9
Contingant arranges	7 (
Controllers and parts (cars) Copying (Impression) books. Copying brushes. Cord, bell.	7 6	Pasoline for electric line	
Copying brushes	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	lates (cars) lears (electric equipment of cars)	
Cord for electric line	· · · · · · · · · · · · · · · · · · ·		
Cord, register	01	zenerai manager	25
Coroners' expenses and fore	21 0	Jeneral manager, assistant Jeneral solicitor Jeneral superintendent Jenerators and parts (electric plant) Jenerator tenders (power plant) Jlass	25
Counsel	6,7,8,9	Jenerators and parts (electric plant)	
Court costs.	34,35 C	denerator tenders (power plant)	10
Court stenographers' fees	34, 35 G	Hobes for are lamne (light)	
ranes (steam plant, shop, car houses)	34, 35 G	lange for core	6,8
rews operating electric sweepers.			
Court costs. Court stenographers' fees Tranes (steum plant, shop, car houses). Traws operating snowplows. Traws operating electric sweepers. Traws operating work cars. Tross-arms, iron, for poles. Tross-arms, wood, for poles. Trossing, track (special work). Trossings, electric line. Trossovers, track (special work). Calvorts.	24 C		
Pross-arms, wood, for poles	2 G	rading for track Frate bars for furnaces (steam plant or shop)	4.9
Prossing, track (special work)		Iranga for namar plant	······ 1
rossovers, track (special work)	2 G	rease for cars rease for tracks rease for wagons and other vehicles rease for wagons and other vehicles	13 21
allverts		rease for wagons and other vehicles	21 23 30
urves, track (special work).		fuard rails, track (special work).	
urve grease	23 E	Iandbills Iangers for electric line Iangers (buildings)	31
amage claims, ejectment from cars	7 E	iardware (buildings)	
amage claims, electrolysis		iangers for electric line. Iardware (buildings) Iarness (buggy, cart, wagon) Iarness (material or repair parts). Iauling of material 1,2,3,4,5,6,7,8,9,11,13,14 Iauling of salt.	
Pamage claims, persons injured or killed		tauling of material	, 21, 22, 23, 24, 27, 28, 29, 30
tulverts turvycombs. turves, track (special work). turves, track (special work). turves, track (special work). turves grease. turt-out boxes and parts (cars). turt-out boxes and parts (cars). the parts of the parts (cars). the parts of the parts (cars). the par			
Oashes and parts (cars)	6,8 H	leadlights and parts (cars). leadlight tenders. lead oircuit for cars leaters, electric, for cars leaters, feed-wator leating apparatus for buildings. leating fixtures for buildings. leating fixtures for buildings. lired power	6,8 20
Pepreciation of horses	27 H	leaters, electric, for cars	······ 7
Opposition expenses		leating apparatus for buildings	4,9
VIVISION SUPERINTENDENTS	16 H	leating fixtures for buildings	
ootors' expenses, fees, and salaries. odgers (printing). onations to attractions.	33 H	Ired power	
onations to attractions		lired power loists (steam plant, shop or car house) lorses, depreciation of	10
	at , 13	cornes) ashiscission of	

STREET AND ELECTRIC RAILWAYS.

Comparison of the Comparison of Comparison	Item—Cont	Inued. Accounts chargeable		ounts
Comparison Compared (Common Injurate)	Horses, replacement of		**************************************	
Capital expressed (pressure injuries) Langual de springer (pressure injuries)	Horseshoeing		io Oil cans	14,21
Control represent (correcce tipping) 5,1,4,1,2,5,5,5,10 College a protein for registron 5,1,4,1,2,5,5,5,10 College a protein or registron 5,1,4,1,2,5,5,5,5,10 College a protein or registron 5,1,4,1,2,5,5,5,5,10 College a protein or registron 5,1,4,1,2,1,3,5,5,5,5,5 College a protein or registron 5,1,4,1,1,2,1,3,5,5,5,5 College a protein 5,1,4,1,1,2,5,5,5,5 College a protein 5,1,4,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,	Horseshoeing supplies	**********	30 Oll paper (office)	27
Lacente in institution and to be writer 1,2,514,52,58,20,20 Particular materials (1984). Interpolation below. In	Hose	0.14.21.22.28.20.	io Ollers, power plant	10
procedure to some times of the control of the contr	Hospital expenses (persons injured)	*******************	3 Ollers, trolley	20
Discontinuous lamps futures (1961) Discontinuous lamps futures (1962) Discontinuous lamps futures (1	Liosuers		Olling devices for engines	4,0
Discontinuous lamps futures (1961) Discontinuous lamps futures (1962) Discontinuous lamps futures (1	Ice for ice water	1,2,9,14,22,28,29,	Painting material (linseed oil, turnenting, varnish, white lead, natutors)	0, 14
Discontinuous lamps futures (1961) Discontinuous lamps futures (1962) Discontinuous lamps futures (1	Innression mare		brushes and supplies)	, 3, 6, 8
spectors, norm. 25 Section 19 Section 19	Impression books		Painters (mechanics)	3,0,8
spectors, norm. 25 Section 19 Section 19	Inoundescent lamps (light)	1, 2, 0, 14, 21, 22, 28, 20,	Paper (writing paper, wrapping paper)	27 97
Important, notes events and particularly and a series of the properties for grounding teach	Indoxes (office)		// I Paper clips	27
Important, notes events and particularly and a series of the properties for grounding teach	Injectors, steam		9 Paper outters	27
Important, notes events and particularly and a series of the properties for grounding teach	Inkstands		Paper Allon	27
Important, notes events and particularly and a series of the properties for grounding teach	Inspectors, secret		Paper weights.	27
impositions, motions, and an internal for electric equipments of cless	Inspectors, not secret.		Parks and park properties for promoting travel	91
institution, Sveriend manufactors, United Justice of Company manufactors, United Manufactors, United States of Company manufactors, United States of Company manufactors, United Manufactors, United States of Company manufactors, United States of	Inspectors, motors	**********	W Paying in connection with indictions	1,2,3
institution, Sveriend manufactors, United Justice of Company manufactors, United Manufactors, United States of Company manufactors, United States of Company manufactors, United Manufactors, United States of Company manufactors, United States of	Insulating material for electric equipment o		7 Paving in connection with electric line.	2
Januarisen, misleground review, and minuraren, misleground review, and minuraren, misleground review, and minuraren, offer. Januarisen, offer.	insulating tapo		I Paving in connection with tracks	1
Lawer Lawe	Insulators, Overnesser	********	2 Paving material.	1, 2, 3
Lawer Lawe	Insulators, underground trolley	**********	2 / Panalis	. U, G
Lawer Lawe	Insurance, acoldent	********	Penell erasers	27
Service (pole verificial) 1 prints (practice pole verificial) 2 prints (practice pole verificial) 3 prints (practice pole verificial) 4 prints (practice pole verificial) 5 pri	Insurance, boller		B Pens	27
Service (pole verificial) 1 prints (practice pole verificial) 2 prints (practice pole verificial) 3 prints (practice pole verificial) 4 prints (practice pole verificial) 5 pri	Investigators' expenses and salaries	9	B Poppoles	27
Service (pole verificial) 1 prints (practice pole verificial) 2 prints (practice pole verificial) 3 prints (practice pole verificial) 4 prints (practice pole verificial) 5 pri	Iron		9 Poriodicals	28
Manager Mana	Januors		Formits for buildings.	3
Landers and lactures (debt) Lates Landers Land	Joints, track (wolded)	**************************************	1 Pilots for ears.	1
Landers and lactures (debt) Lates Landers Land	Kindling wood (fuel for heating)	1, 2, 0, 21, 22, 28, 28, 29, 1	Pinions for electric equipment of cars.	7
Landers and lactures (debt) Lates Landers Land	Laborers.	(Indexed by occupation	Pins	27
Landers and lactures (debt) Lates Landers Land	Lamps, inemdescent (light)	1.2.0.14.21.22.28.20.1	Pins, wood, for cross-arms	2
Landers and lactures (debt) Lates Landers Land	Lamp tenders	**********************	Pipe covering (steam pipe)	at O
Law books	Lampwick (light)		0 Pipos, drain	1,3
Latines	Laths.		Pinas vos	1, 9
Lage Axpenses, in connection with damages. 43. 3 Logal expenses, cher than tamages. 54. 3 Logal expenses, other than tamages. 54. 3 Logal expenses. 54. 3 Logal expens	Lathes		V Pipos, sower	3
Ages to compasse, other than tamages. 1. Section process. 2. Total p	Law books		5 Pinet woter	.3
Ages to compasse, other than tamages. 1. Section process. 2. Total p	Logal expenses, in connection with damages		Dir in our houses and shows	4,9
Legistra for cars Light Clanterns, oil, whick, torches, candles, lineanidescent lamps, arc-light land gaparatus for lutilitings Light Clanterns, oil, whick, torches, candles, lineanidescent lamps, arc-light land gaparatus for lutilitings Light and gaparatus for lutiliting for lutiliting for lutiliting (lutiliting) Light and gaparatus for lutiliting for lutiliting for lutiliting for lutiliting for lutiliting (lutiliting) Light and gaparatus for lutiliting for	Logal expenses, other than damages	******************************	5 Plaster	3
Left claraters, only vick, torches, candias, lineanticscent hamps, arc-light and properties of care staves. Light figures for cars of the control of the co	Logal papers		5 Plows for underground trolley cars	ž
Like principle (caterials, on, whick, torches, candies, incandiscent hamps, arc-light (authors, on, whick, torches, candies, incandiscent hamps, arc-light (authors, on, whick, torches, candies, incandiscent hamps, arc-light (author) (aut			Pulmong.	3
Lightining arrateors and juris' (line, electic plant, ones) 2, 5, 5, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	Life guards for ears	0,	8 Poles, iron or wood, for electric line.	- 12 2
Lightining arrateors and juris' (line, electic plant, ones) 2, 5, 5, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	Light (lanterns, oil, wick, torches, candle	s, incandescent lamps, pro-light	Pole fixtures.	2
Lightining arrateors and juris' (line, electic plant, ones) 2, 5, 5, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	Light circuits for ears.		7 Polish n to poles	no 20
Lightining arrateors and juris' (line, electic plant, ones) 2, 5, 5, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	Lighting apparatus for buildings	**********	3 Portable registers	29, 30
Lubelennis 1, 2, 1, 3, 4, 1, 2, 3, 4, 1, 2, 3, 4, 1, 3, 1, 3, 4, 1, 3, 1, 3, 1, 4, 1, 3, 1, 3, 1, 4, 1, 3, 1, 3, 1, 3, 1, 3, 4, 1, 3, 1, 3, 1, 3, 1, 3, 1, 3, 1, 3, 1, 3, 1, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,	Lighting fixtures for buildings	Ninel Annal M.S.	3 Porters	28
Lubelennis 1, 2, 1, 3, 4, 1, 2, 3, 4, 1, 2, 3, 4, 1, 3, 1, 3, 4, 1, 3, 1, 3, 1, 4, 1, 3, 1, 3, 1, 4, 1, 3, 1, 3, 1, 3, 1, 3, 4, 1, 3, 1, 3, 1, 3, 1, 3, 1, 3, 1, 3, 1, 3, 1, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,	Lime for buildings.	pame, cars)	7 Poetare	28
Machinery ash-conveying	Linemen	************************	2 Power circults, cars	7
Machinery ash-conveying	Lubricants		8 Power plant labor (boller room, not otherwise specified)	10,
Machinery ash-conveying	Lubricators for ongines	4	9 President	10
Machinists (mechanites) 1,2,3,4,5,6,7,8,0 Finding (Iodidres) 3 3 3 3 3 3 3 3 3			9 Printing (except transfers, tickets, dodgers, posters, handbills, folders, law	20
Machinists (mechanites) 1,2,3,4,5,6,7,8,0 Finding (Iodidres) 3 3 3 3 3 3 3 3 3	Machinery, ash-convoying	*********	books, law briefs, legal papers, charged to accounts 22, 31, 34, 35)	27
Machinists (mechanites) 1,2,3,4,5,6,7,8,0 Finding (Iodidres) 3 3 3 3 3 3 3 3 3	Machinery, mechanical draft.	***********************	4 Printing (navertising matter)	31
Manipole covers for uniforgeomet (voltey)	Machinery, waterpower	**********************	4 Printing (dodgers)	34, 30
Manipole covers for uniforgeomet (voltey)	Magnificate (mechanics)		9 Printing (folders)	31
Manipole covers for uniforgeomet (voltey)	Manager (assistant general manager)		Z Printing (haddonis)	31
Manipole covers for surface-contact roads. 2 Manipole formine for surface-contact roads. 2 Manipole frumes for surface-contact roads. 3 4 9	minimiser (Southern runninger)	**************************************	o Finish (Dostors)	31
Pulloys 14 18 18 18 18 18 18 18	Manhole covers for underground trolley	********	Printing (lickots)	22
Maters M	Manhole frames for underground trolley	************************	2 Printing (transfers)	22
Maters M	Manhole frames for surface-contact roads	**********	Pumps, steam	4.9
Maters M	Material for bulldings	9,14,21,28,29,3	Punches, conductors'	22
Maters M	Material not otherwise specified.	1.2.3.4.5.8.7.8.	Purifiers (steam plant)	.1
Maters M	Mechanics (blacksmiths, carpenters, painter	s, machinists, electricians, arma-	Rags	13.21
Maters M	Medical supplier (damage)		Ralls for track.	1
Maters M	Medicine for horses	3	0 Rail braces, track (rail fastarings)	2
Minrographs. 27	Mossengers			1
Moids for wolded Joints.	Minageraphe	8,4,	Rattan for sweepers	8
Money wrappers 27 Rogisters (stationary fare registers) 6 6 6 6 6 6 6 6 6	Mirrors for ears.	**************************************	A Receivers (employees counting receipts)	20
Money wrappers 27 Rogisters (stationary fare registers) 6 6 6 6 6 6 6 6 6	Molds for welded joints	**********************	Register cord	21
Motors complete, for cars 7 Reports for promoting travel 31	Money tags		Rogisters (stationary fare registers)	6
Motors complete, for cars 7 Reports for promoting travel 31	Mops.	9, 14, 21, 22, 28, 20, 8	1 Rant of bridges	24
Motors complete, for cars 7 Reports for promoting travel 31	Motormen (of revenue cars)	1	Rent of land and buildings.	36
Motors complete, for cars 7 Reports for promoting travel 31	Motor renairers	1, 2, 23, 24, 2	Rent of tracks and terminals	37
Motors and motor parts for shop. 20 Rive(s. 1,2,3,4,5,6,7,8,9 Roudinasters. 1,2,3,4,5,6,7,8,9 Roudinasters. 16 Roudinasters. 17 Roudinasters. 18 Roudin	Motors, complete, for cars	********	7 Resorts for promoting travel	91
Motors and motor parts for shop. 20 Rive(s. 1,2,3,4,5,6,7,8,9 Roudinasters. 1,2,3,4,5,6,7,8,9 Roudinasters. 16 Roudinasters. 17 Roudinasters. 18 Roudin	Motor frames	***************************************	Rheostats for electric plant or cars	E 77
Muchage brushes 27 Road officers 16	Maters and motor parts for then	2	J 1 Kiveis 1.2.3.4.5 ft.	7,8,9
Nowspapers 1, 3, 6, 9 Nowspapers 28 Numbering stamps (office) 27 Nursos' expenses and fees (damage cases) 27 Nuts, for botts 1, 2, 3, 4, 5, 6, 7, 8, 9 Nut looks, for track (rall fastenings) 1, 2, 3, 4, 5, 6, 7, 8, 9 Officer furniture, repuirs and renewals of 28 Office furniture, repuirs and renewals of 29 Office furniture, repuirs and	Muelinge.			1
Nowspapers 1, 3, 6, 9 Nowspapers 28 Numbering stamps (office) 27 Nursos' expenses and fees (damage cases) 27 Nuts, for botts 1, 2, 3, 4, 5, 6, 7, 8, 9 Nut looks, for track (rall fastenings) 1, 2, 3, 4, 5, 6, 7, 8, 9 Officer furniture, repuirs and renewals of 28 Office furniture, repuirs and renewals of 29 Office furniture, repuirs and	Muchage brushes	2	Roofing material	3
Nuts, for bolts	Music for promoting travel		Rope (trolley rope)	21
Nuts, for bolts	Newspapers	2	Rubber stamps.	27
Nuts, for bolts	Numbering stamps (office)	2	Rulors.	27
Oll, hibricating 9,13, 21, 30 Scales, platform 1,2,3, 4,5,0,7,8,0,14	Nuises expenses and fees (damage cases) Nuis, for bolts	1 0 0 4 8 0 % 0	3 Salarios(Indexed by titles or positi	L
Oll, hibricating 9,13, 21, 30 Scales, platform 1,2,3, 4,5,0,7,8,0,14	Nut locks, for track (rail fastenings)		1 Sand.	21,30
Oll, hibricating 9,13, 21, 30 Scales, platform 1,2,3, 4,5,0,7,8,0,14	Officers.	(Indexed by titles or positions,	Sand boxes attached to cars	0.8
Oll, hibricating 9,13, 21, 30 Scales, platform 1,2,3, 4,5,0,7,8,0,14	Oil for fuel for power		Sand dryer and parts, for drying sand	23
OH for light	Oil, hibricating	9.13.21.3	Sandpuper	, 0, 14
	On for light		Scrapbooks	27

Item—Continued.	Accounts
Screens, wire (for buildings). Screens, wire (for cars). Screws. 1,2 Sealls. Sealing wax.	chargeanie.
Screws. 1,2 Seals. 1,2 Sealing wax. Seats for ears	, 3, 4, 5, 6, 7, 8, 9 27
Seats for ears Seat coverings for ears Seat flutures for ears Seatrary	2/ B
Seat fixtures for cars. Secretary.	
Secret inspection. Separators (steam plant).	22
Sewer connections for steam plant.	
Sewering for buildings. Shafting for steam plant or shop.	
Shakers for car stoyes.	7 21
Secretary Secretary Secretary Secret inspection Separators (steam plant) Sewer connections for underground trolley Sewer connections for steam plant Sewer traps for underground trolley Sewer traps for underground trolley Sewering for buildings Shafting for steam plant or shop Shaftis for motors Shaftis for motors Shakers for car stoves Shears for office Shelving for buildings Shipping tags Shipping tags Shipping tags Shipping trackets Shorthand books Shovels for track cleaning Shovels for removing snow Shovels for removing snow Shovels for car stoves Sidewalks Signals and signaling apparatus	21 27 8 27 27 27 27
Shipping tickets	27 27
Shovels for track cleaning. Shovels for removing snow.	23 24 21
Sidewaiks Signals and Signaling apparatus Signa and Sign fixtures for ears Slot rails for underground trolley Snowplows	21
Signs and sign fixtures for cars. Slot rails for underground trolley.	8 1 8
Snowplows Snowplow crews.	8 24
Snow shovelers. Snow sleds.	8
Snow sweepers.	
Solicitors, general	34,35
Sponges. 9,14,21,2 Sponge cups for office.	2, 27, 28, 29, 30
Sprinkling cans. 9,1 Stablemen. 9,1	4, 22, 28, 29, 30
Starters. Steam fittings for steam plant or shop	4, 9 19
Steel 1, 2, Stenographers 1, 2,	3, 4, 5, 6, 7, 8, 9
Stokers, mechanical. Stone.	1,2,3
Storage batteries for cars. Storekeepers.	5 7
Signs and sign fixtures for cars. Siot rails for underground trolley Snowplows Snowplows Snow serapers Snow sheelors Snow sheelors Snow skeepers Soap Soap Solder and soldering salts for electric line Solicitors, general Spikes Sponges Sponges Sponges Sponge cups for office Sprinkling cans Stablemen Stablemen Stablemen Stacks, steam plant or shop Startors Steam fittings for steam plant or shop Stenographors Steenographors Stenographors Stenographors Storege batteries for electric plant Storage batteries for cars Storage batteries for cars Storecoon clerks Storecoon employees Storecoon expenses Storecom expenses Store or cars Storecom expenses Storecom expenses Store or cars Storecom expenses Store or cars Storecom expenses Storecom expenses Store or cars Storecom expenses Store or cars Storecom expenses	29 29 29
storetoom expenses. Stoves for ears. Stove blacking for ear stoves	29 6
Stove fixtures for ears	6
Subseriptions other than to attractions. Subways. Superintendence. Superintendents, division Superintendents, assistant division Superintendents, assistant division Superintendents, general Surgeons' exponses, fees, and salarios Surgical supplies Suspensions for electric line. Sweepers, electric. Sweeper crows.	32
Superintendents, division. 1,2,5 Superintendents, assistant division	3, 4, 5, 6, 7, 8, 9 16
Superintendents, general. Surgeous' expenses, fees, and salaries.	25
Suspensions for electric line	83
Sweeper crows Swetches, track (special work). Switches, overhead, electric line Switches for electric plant. Switchbourds for electric plant. Switchbourds for electric plant.	8 24 1
Switches for electric plant Switchendry for electric plant	2 5
Switchboard tenders. Switch mates, track (special work)	5
Switch tenders. Tanks (steam plant)	MINI 19
Telegrams 1, 2, 3, 4, 5, 6	7, 8, 9, 23, 24
Switchboards for electric plant. Switchboard tenders. Switch mates, track (special work) Switch tenders. Switch tenders. Tanks (steam plant). Tape, insulating. Teamsters Telegrains Telegrains Telephone system, private. Telephone service, public. Terminals for electric line.	32
Terminals for electric equipment of cars. Terminals, feeder	2
Third rails (third-rail system)	2
Timekeepers 1,2,3	, 4, 5, 6, 7, 8, 9 2, 5, 6, 7, 8, 9
Tie plates (rall fastenings). Tile-rods (rail fastenings). Tile-rods (rail fastenings). Tile-rods (rail fastenings). Tile-rods (rail fastenings). Tools, bridge Tools, hand Tools, for motormen Tools (machine tools in shop) Torches (light) Towels Towels Towels service	8, 9, 14, 21, 22
Roois (machine tools in shop)	22
Towels. 1, 2, 9, 14 Towel service	, 22, 28, 29, 30 28 28
Track brooms for track cleaning	23
Track cleaners Transfers, printing of. Transfer agents Transfer agents Transformers (electric plant) Traveling expenses of general officers and others connected with the goffice. Treasurer	19
Transformers (electric plant). Trayeling expenses of general officers and others connected with the g	19 eneral 5
ollice. Treasurer	32 25

Item—Continued.	Accounts
manala	chargeable.
Trestles.	
Trolley bases Trolley forks	7
Prolley alleys	7
Trolley forks Trolley folks Trolley poles for cars Trolley poles for cars Trolley tenders (of revenue cars), Trolley tenders (of work cars)	
Trolley rope	27
Trolley tenders (of revenue cars)	21
Trolley tenders (of revenue cars). Trolley tenders (of work cars). Trucks for cars. Trucks for cars. Truck frames and parts, for cars. Tunnels.	44
Trolley wheels and parts (cars)	1, 2, 23, 24, 29
Trucks for cars	7
Truck frames and parts, for cars.	
Tunnels.	0,0
Turpentine (paint)	2.3.6.8
Turn-outs, track (special work)	12.0.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1
Turpentine (paint). Turn-outs, track (special work) And track. Twine (office). Typewriters and typewriter supplies. Undertakors' expenses and fees. Uniforms.	
Undertal company assessment of supplies	27
Uniforms	***************************************
Uniforms Varnish (paint)	22
Vehicles (huggies carts enow coroners enous clade	
Varnish (paint) Varnish (paint) Vahleles (buggies, carts, snow scrapers, snow sleds, wages Vantilating apparatus and fixtures Veterinarian Vice-president.	ns, work cars) 8
Veterinarian	
Vice-president Wages Warons	
Wages	(Indexed by positivation)
Wagons. Washers (not car washers) Waste.	- (andoxod by occupation).
Washers (not car washers)	1.28454786
Waste Waste cans	9.18.21
Waste cons	27
Waste cans	
Watchinen Watef Water barrels Water connections	1, 2, 3, 4, 5, 0, 7, 8, 9, 20
Water barrels	2, 3, 9, 14, 21, 22, 23, 28, 29, 30
Water connections	1, 2, 9, 14, 22, 28, 20, 30
Water coolers	· · · · · · · · · · · · · · · · · · ·
Water dippers Water for steam power	1, 2, 9, 14, 22, 28, 29, 30
Water for steam power	1, 2, 8, 14, 22, 28, 29, 30
water dippers Water for operating water-power machinery Water-gauge glasses Water meters	12
Water-gauge glasses	14
Water meters. Water pails. Water-power machinery.	9.4.0
Water pails	1, 2, 9, 14, 21, 22, 28, 29, 30
Water-power machinery Water tenders for steam plant. Water tenders for water-power plant Welding compound Wells.	4
Water tenders for steam plant.	10
Walding compound	
Wells	9
Wheels for gare	
Wheels, trolley	
Wheels, trolley White lead (paint) Wire for buildings Wire, feed	Twee Alexander
Wire for buildings	
Wire, feed	9
Wire screens for buildings	A
Wing of rain	2
Wire, strain Wire, supplementary Wire, trolley Wiring cars Witnesses' expenses and fees. Woodwork for buildings.	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Wire, trolley	
Wiring cars.	4
Witnesses' expenses and fees	
Woodwork for buildings	
Woodwark for one	···· 3
Wood car crews.	19 99 04 00
Wood car crews Wrapping paper Wrecking expenses	1, 2, 20, 24, 29
Wrecking expenses Yokes for underground trolley	22
rokes for underground trolley	
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INQUIRY 20.-INCOME ACCOUNT.

Give the actual amounts carried on the income-account statement of the company. This may in some cases include bookkeeping items of income and expenses for the year and therefore need not in every instance agree with an actual cash statement for the year.

Passengers.—Include cash fares, sale of tickets and commutation books, and all sources of income from passengers.

Chartered cars.—It is a practice on many street railways to hire out cars for special travel purposes. These are usually known as "chartered" cars, a definition which includes parlor cars, observation cars, theater cars, funeral cars, etc. For all work of this class it is the custom to make a special and separate rate, and the roads doing this business should have no difficulty in giving the income from it.

Freight, mail, and express.—Some electric interurban roads carry large quantities of freight and express matter. If it is impossible to ascertain the exact amount of each class of income, obtain the total for the three items and prepare a careful estimate for the segregation.

Sale of electric current.—Be careful to include the income from the sale of current to other public-service corporations. If a combined report is prepared for railway and light and power plant, the total income reported in inquiry 26 should also be reported in answer to this question.

Interest on bonds and dividends on stock of other electric railways.— It is necessary to show the total net amount of interest on funded debt and of dividends paid by street-railway companies to the outside public as distinguished from the gross interest and dividends, part of which goes to other street or electric railways. For this purpose the income from interest on bonds of other street or electric railway companies and the amount received as dividends on their stocks must be reported in answer to this question.

Income from other permanent investments.—Railway companies may own securities of public-service corporations (other than electric railways), also industrial or municipal securities. It is desired to secure a separate statement of the income, if any, from such sources.

Miscellaneous.—This item should include all amounts received from sources other than those enumerated, such as income from advertising, pleasure resorts, interest on deposits, etc. The principal items must be enumerated separately. The total income reported must be the gross income of the company for the year.

Miscellaneous taxes.—Include special taxes, such as car licenses, special taxes for police service at street crossings, etc., but in such cases a note must be made on the schedule describing the tax or license.

Interest paid or due for the year.—When funded debt is shown as a liability in answer to inquiries 21 and 22, interest should be reported as paid on funded debt or proper explanation made under "remarks" on the last page of the schedule. In like manner if real-estate mortgages and floating debt are shown as a liability under inquiry 21, interest should be reported or explanation made.

INQUIRY 21.—BALANCE SHEET.

This condensed statement must balance and show the financial condition of the company on December 31, 1907, or the last day of the year for which the report is made. Any large items which would come under the head of "sundries" should be stated specifically.

The combined balance sheets of all roads in the country must result in showing the total capital stock and funded debt of both operating and leased roads, therefore the proportion of these securities which are owned by street or electric railways should be shown separately, so that a net figure for each kind of capital can be presented. For this purpose it is necessary that the amount of stocks of other street or electric railway companies and the amount of bonds of other street or electric railway companies owned by the company reporting must be reported in answer to the second question under "assets."

Some companies may consider their own stock or bonds held in the treasury as an asset, but in making up the balance sheet such securities should be treated as not issued and should be omitted from both sides of the balance sheet statement, giving full explanation under "remarks."

If there is a profit and loss deficit, or if a large amount is reported for "other permanent investments," the reason for the loss and the nature of the investments should be given under "remarks." Items such as "purchase of completed road" or "payment for franchise" must be included as "cost of construction, equipment, and real estate," and not as "sundries" or "other permanent investments." "Sundries" is intended to include only the minor elements of accounts.

If the entire stock issue of a subsidiary company is owned by the operating company and a separate supplementary lessor report is not prepared for the subsidiary company (see instructions, next column), the cost of said securities to the operating company should be considered as part of the cost of construction and equipment rather than as "stocks and bonds of other electric railways." In like manner the cost of securities of an electric light and power plant owned and operated by a railway company and included in a combined report should be considered as cost of construction and equipment. On the other hand, if a railway company holds securities of an electric light and power plant but does not entirely own or directly operate it, such securities should be reported as "other permanent investments."

INQUIRY 22.—CAPITAL STOCK, BONDS, DIVIDENDS, AND INTEREST.

Account for the entire amount of stock and bonds authorized by charter, and the amount outstanding on the last day of the year covered by the report. Give full amounts of dividends declared and interest paid or due for the year. The rate of interest should always be stated, even though no interest may have been paid or due for the year. In some cases companies have been reorganized or consolidated, and the new company has issued stock, the new stock being accepted by the holders of the original stock which was surrendered to the new company. The new company may also issue bonds and assume the debt represented by the bonds of the original companies, which may or may not be retired. In such cases there may be no cash realized on either the stock or bonds of the new company, but the amount of stock and bonds issued by the new company, and also the stock and bonds outstanding of the original company must be given. The amounts of the old and new companies should be given separately. The agent should attach a memorandum to the schedule, giving a full explanation of the issues of the stock and bonds of both companies.

INQUIRY 23.—EMPLOYEES, SALARIES, AND WAGES.

The salaries and wages reported here will also be included in the amounts reported for the different items, under inquiry 19, "operating expenses," but this statement is required in order to obtain the number and wages for each class of employees. Account for all persons employed by the company, both in the management and in the operation of the road. Give the number of officers who receive salaries (not the number of stockholders) and the total amount of their salaries. Report separately the number and wages of conductors, motormen, and other classes of employees specified. There should be no difficulty in securing this information for the road of ordinary size, but it may be that the large companies keep an itemized pay roll, the total only being carried forward from each week or month. In such cases it will be necessary either to add the pay roll of each week or month, for each class of employees, or to compute the aggregate for each class, using a pay roll for a representative week or month as the base. Results obtained by the latter method will be accepted. The average number employed during the year is the number that would be required, at continuous employment, for the twelve months.

If the road was in operation only a portion of the year, and for this or other reason the average number does not represent the number required to operate the road under normal conditions, the conditions must be explained and the number of each class required to operate the road under normal conditions given under "remarks."

Inquiries 24, 25, and 26.—Questions for railways which operate separate electric light and power plants.

These inquiries, when considered in connection with their accompanying instructions and those in the schedule and page 547 of these instructions, should be readily understood and properly answered.

INQUIRIES 27 AND 28.—POLES PURCHASED DURING 1907, AND CROSS-TIES PURCHASED DURING 1907.

These inquiries comprise a part of the annual investigation of consumption of forest products and should be treated as separate and distinct from the census of electrical industries. They must not, however, be overlooked by the agent, and must be answered for every company.

SEPARATE SUPPLEMENTARY REPORTS FOR NONOPERATING LESSOR OR LEASED ROADS.

As stated on the title-page of the schedule, separate reports must be obtained for all street railways which are leased to operating companies, covering the data for inquiries 1 to 4, inclusive; 7, track; 18, cost of construction and equipment; 20, income account; 21, balance sheet; and 22, capital stock, bonds, dividends, and interest. The purpose is to present, in the financial accounts, a correct bookkeeping total of cost, income, expenses, etc., including the duplications which arise from the practice of leasing railway properties. The amount of such duplications will then appear under the respective inquiries in the schedules, and net amounts can be calculated.

Aside from the desirability of having such complete bookkeeping accounts it is essential to secure the statistics of leased roads separately in order to avoid error. Operating railway companies do not ordinarily keep accounts showing the cost of construction of leased roads, and certain schedules which profess to cover both operating and leased roads really include only the cost of construction and equipment for the operating road.

While agents may be able to prepare correct reports for the operating companies so far as the physical equipment and traffic features are concerned, it is very difficult to make a proper consolidation of the financial items. It requires an expert accountant to combine correctly figures of leased and operating roads, avoiding duplication.

While the figures for both operating and leased roads should be published separately, it will not do to calculate either the cost per mile of track or the capital liabilities per mile of track of either the operating or the leased roads separately, since in many cases the operating company spends large sums in improving leased lines which are not counted in the cost of such leased lines.

When the attempt is made to combine reports of operating and leased roads there should be an item of receipt in the income account, usually in the form of payments of guaranteed dividends and interest on stock and bonds received by the leased companies, equal in amount to the item for rentals paid under the head of expenses by the operating companies. The net income would then include the amount of rentals as well as the dividends and surplus of the operating company. Indeed, if the operating com-

pany and leased lines were to be treated strictly as one, both payments for rentals and receipts from rentals would be omitted. When separate reports of operating and leased companies are made and tabulated, rentals received in the totals will balance rentals paid, and total net income will include the dividends and surplus of both operating and leased companies, or the real profits of the business.

In the same way the item of interest on funded debt in the case of operating companies should include only interest on their own bonds. In many cases such companies assume directly the bonds of leased lines. The schedule should show the interest of the operating companies on their own debt and that on the debt of leased lines, but only the former must be charged as interest and the latter as "rent of leased lines and terminals." The rental received by leased companies will then be made to show the sum intended for interest on other bonds, and their expenditures will show a payment for such interest.

Operating companies often own part of the securities of leased companies. A correctly combined balance sheet of both operating and leased companies will show the total capital stock and funded debt of both, and over against this, under the head "stocks and bonds of other electric-railway companies," the amount of stocks and bonds held by the operating company.

Because of the complications above indicated it is evidently essential to correctness of data, and for the purpose of securing a net balance sheet and a net statement of capitalization, to insist on having separate supplementary reports for nonoperating lessor or leased companies.

There are comparatively few leased street railways, and the supplementary figures desired can be obtained with little difficulty. Reports for leased roads should accompany the report of the operating company, with the word "lessor" written on the upper right-hand corner of the title-page.